

The Cattleman

Fort Worth, Texas, July, 1933

VOLUME XXXVII -- No. 2



When the industry was young . . .



Trail herd ready to move out after noon stop.—From an old photo taken in 1895 in *The Cattleman*.

WHEN the Southwestern livestock industry was still in its infancy, marketing of animals was a great problem for producers. The lack of markets forced long, expensive drives. But with the building of the great central markets and other public services, the modern rancher can market his livestock with truly amazing convenience.

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The Cattleman

Vol. XXXVII

JULY, 1950

No. 2

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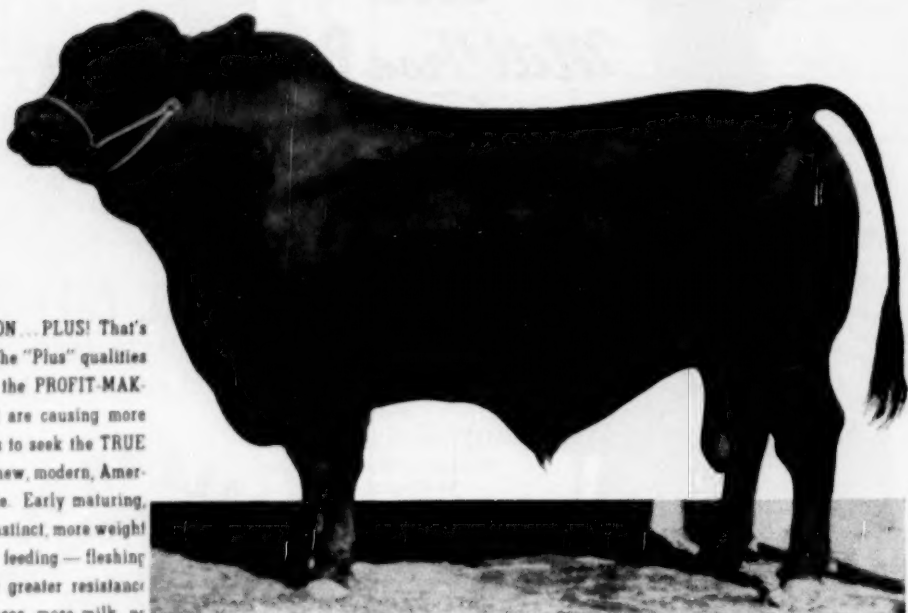


Miss Elaine Olson, of Council Grove, Kansas, exhibiting Wilbur, first prize Junior Yearling Hereford Steer and Grand Champion Baby Beef in the 4-H Division at the Kansas State Fair, September 18-23, 1949. Steer sired by Mill Iron Bull, owned by Ovrille Burtis, Manhattan, Kansas.

Georgia Nell Galyean, a real cowgirl from Mill Iron Ranch, exhibits Walloper, 985 pounds, Hereford, grand champion drylot calf, at the Collingsworth County Youth Project Show, Wellington. She is one of two high school girls in Texas studying vocational agriculture.



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Of things that concern cattle raisers

The Cattleman Cover

"BRAHMAN ON DALLIS GRASS"

THIS month The Cattleman takes pleasure in saluting the world's oldest breed of cattle, the Brahman or Zebu (Bos Indicus). The picture on the cover was taken on the Pecan Acres Ranch near Simonton, Texas, owned by Vernon W. Frost of Houston, and shows a portion of the Brahman herd grazing on the lush Dallis grass maintained at Pecan Acres. There are more than 400 cows in the Pecan Acres herd, with which are running a number of bulls, including two outstanding herd sires, Dutch Resoto Manso and Galan Manso. Pecan Acres maintains an outstanding show herd which has won high honors at many of the nation's livestock shows.

The earliest importation of Brahman cattle into the United States was to the state of South Carolina in 1849, but it was the importation by A. P. Borden in 1906 that played the most important part in establishing Brahman in this country.

Directors' Meeting

THE first quarterly meeting of directors of the Texas and Southwestern Cattle Raisers Association was held at the Blackstone Hotel, Fort Worth, June 17. In the absence of President Ray Willoughby, who was unable to attend the meeting because of illness, Jack Roach, Amarillo, presided.

Among the new directors introduced were: John Bennett, San Antonio; Dolph Briscoe, Jr., Uvalde; D. Burns, Guthrie; David Coombs, Marathon; Mason Crocker, Brady; Jack Frost, Dallas; Albert E. Gates, Laredo; Carter McGregor, Wichita Falls; and W. R. Watt, Fort Worth.

Joe G. Montague, attorney for the Association, reported that since the annual meeting in San Antonio in March, 18 convictions out of 19 indictments for cattle theft have been secured.

Montague also reported on a meeting he attended in Washington with the ways and means committee on taxes. He said no definite action was taken that will change the present interpretation of allowances in tax matters pertaining to capital gain.

Fred Hobart, Pampa, member of the cattle and beef committee, reported on a meeting on the change in meat grading proposed by the government. Representatives of the packing industry, feeders, producers and retailers took part in the meeting. Cattleman stressed the point that the proposed change in grading should not be referred to as upping the grades of beef, but a revision of the grades to give a more equitable naming of the different classes of beef offered for sale. It was claimed that under the present system of grading meat from young animals carrying considerable finish was discriminated against. The Association passed a resolution empowering Hobart to represent the Association at a meeting in Chicago to get the classification in grading changed. Changes recommended are to put the present grades of Prime and Choice meats into the Prime grade; move the grade now called Good into Choice; then make the top one-half of Commercial grades into Good and let the other meats be classified as Utility grades.

Two resolutions, as follows, were adopted by the directors:

WHEREAS, It has come to the attention of the Board of Directors of the Texas and Southwestern Cattle Raisers Association, that frequent requests have been received by Henry Bell, Secretary-General Manager of this Association, for a list of the members of the Texas and Southwestern Cattle Raisers Association, and also a list of the subscribers of "The Cattleman."

WHEREAS, It has always been the decision of this Board that these lists should not be made available to anyone for any purpose, whatsoever. This Board feels that when a person becomes a member of this Association, his name and address should not be given to anyone. This board feels that he should be protected from pernicious solicitation and propaganda, which would result if the list of our members would be made available.

WHEREAS, We also feel that if these lists be made available to anyone, or any organization that there would be

no fair reason that they should not be made available to everyone who requests them.

THEREFORE, BE IT RESOLVED, That this Board instruct our Secretary-General Manager that the list of the members of the Texas and Southwestern Cattle Raisers Association and the subscribers to "The Cattleman" shall not be made available to anyone or any organization.

WHEREAS, We feel that all railroads should do everything possible to prevent such fires and losses, especially emphasizing the necessity for clearing and keeping clean all right-of-ways along ranch lands,

NOW, THEREFORE, BE IT RESOLVED, That we urge all railroad companies operating lines through ranch lands to safeguard against such fires and to keep their right-of-ways clean and hazardous as well as to take all possible precautions in train operations to avoid such fires, and,

BE IT FURTHER RESOLVED, That the Secretary send copies of this resolution to all railroad companies operating lines through ranch lands in Texas and Oklahoma.

Following the meeting the directors and officers of the Association were guests of the Southwestern Exposition and Fat Stock Show at a luncheon in the Hotel Texas, where they were made honorary citizens of Fort Worth.

The names of 341 new members rendering 28,617 cattle, who had made application for membership since the last directors' meeting, were approved for membership in the Association. The names of the new members are given herewith:

TEXAS

Anderson: Dr. R. H. Bell, Joe Hurt, R. M. Phillips; Archer: Jim DeMoss; Atascosa: A. H. Jungerman, R. L. Midgett, Howell Wharton; Bandera: D. W. Hicks, Raymond Hicks, C. H. Langford; Bastrop: R. B. Smith; Bell: (Colonel) Roscoe Bonham, C. V. Griggs, O. A. White & Co.; Bexar: Mrs. Margaret Ogden Beard, Col. J. M. Bennett, Jr., Al Buchanan, Laurie M. Hock, M. C. Krueger, Charles Schreiner, Jr., Robert Seffel, M. D. Smith, Roy Smith, J. H. Talley, J. A. Williams; Blanco: B. B. Burison, A. W. Mourund, Mrs. Tilo W. Fickie, Ralph W. Robinson; Claydon: Stripling; Bosque: Albert A. Witz; Brazoria: J. W. Munson; Brazos: G. A. Adams; Brooks: J. H. Bridge; Brown: A. J. Buck, W. M. Cleverger, W. N. Dykes, Louis Tongate; Burleson: Roy H. Herrmann, Caldwell; Thomas Wilson; Calhoun: Alvin A. Hahn, H. V. Heyland; Callahan: Mrs. E. J. Crawford; Carmon: L. P. Bakin; Chambers: D. E. Williams; Childress: Fleming and Bell, F. H. Hines, T. R. Rickman; Clay: James P. Boddy, Troy Douthitt, Jr., Karl Gird, K. E. Rodgers, J. W. Rhydon; Colorado: Everett Ross, R. E. Potter, E. R. Kerner; Wooden Plantation; Comal: E. A. Delavan, D. L. Knibbe, Jack Ohlrich; Concho: Raymond Pfleger; Cooke: S. A. Bollinger; Coryell: W. T. His, The Lander Trust.

Dallas: Allen W. Davis, W. L. Pickens, R. H. Turner; Denton: J. L. Hughes; Dickens: Roy Arrington & Sons; Dimmitt: C. H. Willingham; Donley: Benson Bros.; Duval: Manuel Serna, Jr.; Eastland: Sig. Faircloth, P. T. Smith; Ector: C. A. McDaniel; El Paso: W. F. Blythe, M. F. Bonarh, Mr. and Mrs. M. D. Colton, Roy H. Davidson, Ralph's Farms, Inc., Wholesale Dairy, Inc.; Fannin: M. D. Anderson, Comer; Hutchinson: Geo. G. (Red) Pope, F. A. Spencer, Joe L. Stevens (M. D.), Nathan Young; Fisher: Rosh Callan, O. R. Clark, Wayne Porter, Chas. H. Scott, Roger C. Smith, M. W. Strickland, David Williams, Lee Williams, O. B. Williams, R. T. Williams; Floyd: W. A. Manie; Fort Bend: H. A. Bowser; Freestone: P. O. Butler; Frio: Mayes & Newton.

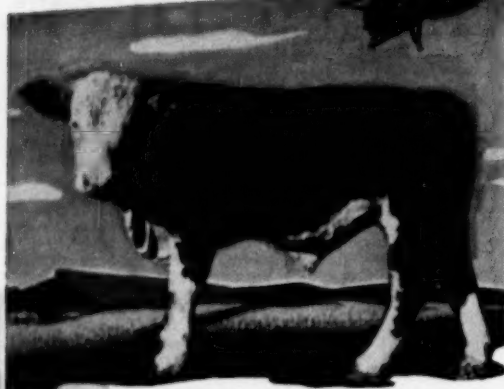
Galveston: Sealy Hutchings & Robert K. Hutchings; Garza: Lewis E. (Sonny) Nance; Goliad: J. N. Dye; Gonzales: W. A. Dickinson, David R. Howell, H. L. Parker, Sr.; Gray: Rex (Rip) Barrett, Belton & Thompson, C. D. Torrette & W. F. Ridgeway; Graysen: W. A. Darter, Eva Elmore & Elmore, J. H. Forisha, Rush Freeman, W. C. Hartwig, E. B. Hill, Max T. Shelton, Ross Stoddard, Jr., Tyree Vawter; Grimes: H. Kemper; Guadalupe: John M. Delany, Paul A. Wilke.

Hall: Dick Shoblen; Hamilton: G. K. Lewallen; Hardeman: Roy S. Hines, James W. Taber; Harris: C. L. Haskin, W. H. Haskin, C. B. Johnson, Jr., Clarence W. Patterson, R. I. Sample, B. E. Stallones, W. M. Stallones; Hays: A. T. Calhoun, Walter Ewing, J. O. McFerran, W. J. Tharp; Hempstead: Hugh F. Farnsworth; Hockley: G. L. Douglas, Jerry Foleham, R. E. Henderson, O. A. Phillips, Beanie Tompkins; Hidalgo: Bannworth Bros.; Hockley: Crute Solder; Hopkins: Thomas White; Houston: P. S. Berry, F. L. Hill, E. M. Land; Howard: Sonny Edwards; Hubbard: Ft. Quitman Co., E. G. Madrox, D. E. Walker; Hunt: Ray Horst, Harry Clayton; Jack: Frank Hockaday; Jackson: Jim Cherry; Jasper: W. E. Bethard; Jim Hogg: W. H. Younger; Jim Wells: R. M. Bonaley, Charamuco Cattle Co., John A. True.

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Palo Pinto: John W. Padgett; Parker: E. J. Alexander, Mrs. Maude Baker, Frank McIntire, Wesley Strain; Patten: Clarence Clark, J. O. Rus-

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2. GLOBE GLO-DANE 45



An emulsifiable Chlorthane concentrate, to be diluted with water. To be used for the control of houseflies on cattle and other livestock; for lice on cattle, horses, hogs and goats; for mange on hogs and dogs; for ticks on cattle and horses; for sheep ticks (keds) and lice; for ants, roaches, flies, mosquitoes, fleas, dog ticks, silverfish and waterbugs infesting barns, stables, poultry houses, and other farm buildings.

CAUTION: Not recommended for use on dairy cattle or in dairy buildings.

3. GLOBE GLO-CIDE 25



Glo-Cide 25, a concentrated emulsion of DDT, is recommended for spraying or dipping livestock; spraying walls, poultry houses, and other buildings and surfaces where flies congregate. When properly diluted with water according to directions on bottle, Glo-Cide 25 provides the more action of famous DDT, plus the dependable quality which goes into every Globe product.

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Boca: Walter Johnson.

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Chaves: Boyle Farms, Inc.; Lea: Charon Whitten; Roosevelt: Grady Best.

Cattle Theft Prosecutions

SINCE the beginning of the fiscal year (March 1st) the Texas and Southwestern Cattle Raisers Association has participated in nineteen cattle theft cases, of which the attorney of the Association assisted the district and county attorneys in the prosecution of ten cases. Nine cases were companion cases to the ten in which he actively assisted with the prosecution.

In fifteen of the cases, convictions were rendered, and prison terms from two to five years were assessed. Three received probated sentences from two to five years and one was acquitted.

Following is the list of cattle theft cases in which the Association's attorney assisted in the prosecution:

In Kent County—(1) Albert Neeley, convicted, two years in penitentiary. (2) James E. Yarborough, convicted, five years in penitentiary.

In San Saba County—(3) Conner C. Elliott, acquitted.

In Bee County—(4) Joe Padilla, convicted, five years in penitentiary. (5) Chavez Martinez, convicted, five years in penitentiary. (6) Joe Padilla, convicted, five years in penitentiary. (7) Chavez Martinez, convicted, five years in penitentiary.

In Tarrant County—(8) James E. Chapin, convicted, two years in penitentiary probated. (9) John E. Payne, convicted, two years in penitentiary probated.

In Live Oak County—(10) Charles Martin, convicted, four years in penitentiary.

In Lamar County—(11) Raymond Glenn, convicted, five years in penitentiary (this case was companion case to Gene Wynn case tried by Association and which has been affirmed).

In Kent County—(12) Robert Doyle, convicted, plea of guilty, two years in penitentiary. (13) James Doyle, convicted, plea of guilty, two years in penitentiary. (14) Paul Doyle, convicted, plea of guilty, two years in penitentiary.

In Stonewall County—(15) Robert Doyle, convicted, plea of guilty, two years in penitentiary. (16) James Doyle, convicted, plea of guilty, two years in penitentiary. (17) Paul Doyle, convicted, plea of guilty, two years in penitentiary. (18) Albert Neeley convicted, plea of guilty, two years in penitentiary. (19) Clayton Doyle, convicted, plea of guilty, five years in penitentiary probated.

Foot and Mouth Disease Progress

A SHIFT of strategy in the gigantic battle against aftosa in the infected zone of Mexico is now under way and by the end of August the joint Mexico-United States commission for the eradication of foot and mouth disease expects to have virtually completed vaccination and turned its almost complete attention to inspection.

Now 104 Authorized

BEEFMASTER BREEDERS

In 12 States

More than one hundred breeders, in almost every cattle-raising section of the nation, have now been authorized under the Beefmaster Name Franchise Contract to use the BEEFMASTER name. This authorization is made available to purchasers of BEEFMASTER breeding from the original Lasater BEEFMASTER herds. Authorized BEEFMASTER breeders as of June 13, 1950, are:



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Armin & Lane, Flatonia, Tex.
Arthur Auvermann, Hico, Tex.
C. L. Barnes, Hallettsville, Tex.
Leon Barnes, Hallettsville, Tex.
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O. R. Baird, Goldthwaite, Tex.
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Cedar Ridge Stock Farm, Walnut Springs, Tex.
John H. Crocker, Houston, Tex.
Ray Berger, Sugar City, Colo.
Dan S. Blanchard, Dixie, La.
Thomas L. Blanton, Jr., Albany, Tex.
H. C. Bodley, Chanute, Kan.
W. G. Bodley, Chanute, Kan.
A. L. Bogatto, La Marque, Tex.
Ballard Bros., Bishop, Tex.
Von M. Bray, Dallas, Tex.
Dewey A. Campbell, La Marque, Tex.
Watt M. Casey, Albany, Tex.
Paul Chisman, Colorado Springs, Colo.
Foy O. Cook, Lampasas, Tex.
Warren D. Cooper, Brookshire, Tex.
H. H. Crooks & Sons, Spearman, Tex.
Ed Crowder, Fowler, Colo.
Perry Crompton, Clovis, N. M.
R. W. Cuppes, Santa Anna, Tex.
Arthur E. Dahl, Carrizo Springs, Tex.
Max Dalton, Monticello, Utah.
G. D. Dickie, Woodson, Tex.
Dolores Company, Laredo, Tex.
H. B. Doyelon, Trinidad, Colo.
Dave Duncan, Big Spring, Tex.
L. C. Elrod, Houston, Tex.
C. R. England, Brookshire, Tex.
Ben R. Eppright, Austin, Tex.
Daniel Evans, Lehi, Utah.
Fred Felty, Kemper, Tex.
Raymond E. Fields, Kendrick, Colo.
Joe C. Froese, Marshall, Tex.
Humberto Garza, Mirando City, Tex.
C. M. Griswold, Houston, Tex.
Norman Grenweige, Llano, Tex.
Edwin Gueck, Scottsbluff, Neb.

Chas. E. Helrich, Sunol, Neb.
W. H. Herring, Three Rivers, Tex.
Chester O. Hibler, Bertram, Tex.
Billy B. Holland, Estelline, Tex.
Perry R. Horion, Strawn, Tex.
Wade House, Benjamin, Tex.
D. C. Hunter, Hebbbronville, Tex.
W. H. Jenkins, Florence, S. C.
Arnold Jensen, Freer, Tex.
Marion E. Johnson, Olney Springs, Colo.
J. E. Jones, Galveston, Tex.
F. B. King, Yonges Island, S. C.
C. M. Kirkpatrick, Jewett, Tex.
W. A. Krohn, Electra, Tex.
J. M. Lasater, Naples, Tex.
Wm. W. & Marion Leach, Kiowa, Colo.
Victor Leal, Conception, Tex.
Louden Cattle Co., Branson, Colo.
C. R. Luedtke, Pflugerville, Tex.

J. F. McCabe, Jr., Robert Lee, Tex.
Barrett W. McCanness, Olney Springs, Colo.
Glen M. McKenzie, Umbarger, Tex.
M. H. McLeod, Ravenel, S. C.
R. E. Marshall, Gulfley, Colo.
Reyford B. Mathews, Woodson, Tex.
R. M. Matson, Marshall, Tex.
C. Cowden Means, Van Horn, Tex.
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G. T. Powell, Jr., Kennedy, Tex.
Win. G. Richards, Tolar, Tex.
M. G. Sinclair, San Antonio, Tex.
Clint Small, Jr., Leander, Tex.
H. R. Smith, Alice, Tex.
Carl V. Snyder, Weslaco, Tex.
Rene A. Solis, Rio Grande City, Tex.
H. C. Stapp, Junction, Tex.
C. N. Sullivan, Crockett, Tex.
E. E. Threest, Archer City, Tex.
David B. Thrift, San Antonio, Tex.
D. R. Tobey, Beaumont, Tex.
F. E. Wade, Kibbel, Okla.
Ray Watts, Charleston, S. C.
R. Ward Webb, Lehi, Utah.
W. W. White, Mason, Tex.
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All 1950 heifer calves have been contracted and only 10 bull calves are still available under the BEEFMASTER Plan for this year. The BEEFMASTER Plan for 1951 is about 25% sold out. However, both bull and heifer calves are still available. Write for full details.



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ECONOMICAL DILUTION: 1 to 150 GALLONS
 KILLS TICKS and prevents reinfection up to 2 to 3 weeks.

KILLS HORN FLIES and prevents reinfestation up to at least 3 weeks.

KILLS LICE and remains effective to kill young lice hatching from eggs (nits) on animal.

REDUCES SCREW WORM REINFESTATION.

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ECONOMICAL DILUTION: 1 to 700 GALLONS
 KILLS SHEEP TICKS (REDS) and gives protection for months against reinfection.

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REDUCES SCREW WORM REINFESTATION.

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As of June 1 the commission had administered a total of 57,450,359 doses of vaccine to the animals in the infected zone—approximately the size of Texas—and was more than 67 per cent through with the fourth and final vaccination.

The commission has stopped making vaccine but has a backlog of approximately 10,000,000 doses held for any emergency that may arise.

Even though the end of the vaccination is in sight if all goes well, the dogged battle against aftosa will continue for many months. Inspection crews will cover every nook and cranny of the infected zone to inspect and reinspect the animal population for any signs of the dreaded malady. A total of 15,221,654 animals were inspected in May, a new monthly record.

Scientists of both Mexico and United States, who are directing the campaign, are encouraged by the fact that not one single case of aftosa has been discovered in Mexico this year. The commission has investigated 334 cases of suspicious animals since January 1 but laboratory tests have proved each case to be negative.

Approximately one-fourth of the animal population of the infected zone is now without immunity. As of June 1, a total of 3,816,725 had lost their immunity. By the end of July 7,724,000 animals will no longer have immunity from the vaccine.

This is according to the plan of the directors of the joint commission, Licenciado Oscar Flores and General Harry H. Johnson, who set up a time schedule to permit sectors of the infected zone gradually to lose their immunity under the watchful eye of task forces held in readiness to meet any emergency.

Every one of the ten districts comprising the infected zone are under orders to have emergency units located at strategic points within each district so that any point may be reached within a few hours and an effective quarantine established in the event of any outbreak.

The commission has begun to reduce its personnel and as of June 7 had cut down to 5,882 persons, of whom 1,559 were Americans.

Expenditures for the month of May were reduced to \$1,300,000 and the commission anticipates that they will be trimmed to less than \$1,000,000 in June and be held under that figure from now on unless there are unforeseen developments.

Utterly false rumors of a possibility of the border between the United States and Mexico being reopened at some early date have been circulated. They are without foundation. There is no chance whatsoever of the border being opened in 1951 regardless of the success of the eradication program and there is every indication that the inspection campaign will continue on into 1952.

Official figures released by the commission for the first five months of 1950 follow:

	Animals Vaccinated	Inspections	Animals Eradicated
January	5,052,811	15,628,483	15*
February	2,932,949	12,941,510	0
March	2,216,945	14,809,688	0
April	2,190,964	12,796,502	1
May	3,388,714	15,221,654	0
	17,582,321	67,477,088	16

*Cattle over from December.

Blue Stem-Osage Pasture Report

THE Blue Stem-Osage pastures of Kansas and Oklahoma received nearly 5 per cent more cattle this spring than in the spring of 1949. The 1950 receipts are smaller than any year since 1944, except for the light receipts of the 1949 season. The cattle arrived late, with the movement from the dry areas boosting the arrivals above early expectations. The number of cattle and calves wintered over is slightly smaller than a year ago. The cattle received carried a smaller proportion of aged steers than in recent years. Cattle are making good gains after a slow start. Pasture feeds are good, with May and early June rains making favorable grazing prospects, according to the report of the U. S. Bureau of Agricultural Economics.

The spring movement (January-May) of cattle and calves into the two sections is estimated at 367,000 head, compared with 351,000 head in 1949, 379,000 head in 1948, and the ten-year (1939-48) average of 337,000 head.

The cattle and calves are in good flesh and are making good gains after slow start. The condition of the shipped in cattle varied greatly, with some thin cattle from the dry areas. Local cattle wintered fairly good, but were not in as good flesh as a year ago.

The receipts of cattle exceeded early expectations due to the late movement and strong late demand for pasture from the

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Top Anchor Beef Cattle Concentrate Chunklets furnish vitamins, organic minerals and amino-acids as a nutritional "boost" to put your animals on

the road to blue-ribbon perfection. Wheat protein hydrolysates, yeast culture, diastatic malt and the B-Complex Vitamins—choline, niacin, riboflavin, and pantothenic acid, contained in Top Anchor Beef Cattle Concentrate Chunklets, help give your cattle a full glossy coat of hair and a covering of firm, mellow flesh, free from patches, lumps and rolls. These important elements also contribute to good digestion and elimination, clean clear skin, clear eyes, better nerve and muscular coordination, normal growth and reproductive functions.

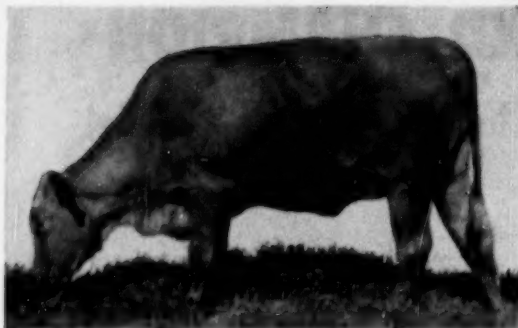
See your Bewley Anchor Feed dealer today—discover for yourself the profitable results of the Top Anchor Feeding program. You'll agree that "Feeding Bewley's Top Anchor Beef Cattle Concentrate Chunklets is like bringing early spring pasture to your animals all year 'round!"



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Put them on pasture . . .
they'll do the rest



MILLER RANCH, Falfurrias, Texas

Our Beefmaster breeding was purchased from the original Lasater Beefmaster herds now located at Falfurrias, Texas, and Matheson, Colorado.

dry areas of Southwest Kansas, Southeast Colorado, New Mexico, and Texas. The cattle coming in consisted of a smaller proportion of aged steers than in recent years, with a larger proportion of cows and calves and young cattle.

Present indications are that the marketing of the pasture cattle will be a little later than usual. The peak of the movement is usually in August.

The estimated number of cattle and calves in the two sections on January 1, 1950, was 766,000 head, compared with 773,000 head a year earlier, 762,000 head two years ago, and the ten-year (1939-48) average of 724,000 head. Peak numbers in the two sections were on January 1, 1944, with 805,000 cattle and calves. Included in the estimate of total cattle and calves were 100,000 milk cows on January 1, 1950, 102,000 head on January 1, 1949, 100,000 head on January 1, 1948, and the ten-year (1939-48) average of 114,000 head.

(The estimate of total cattle and calves and milk cows covers 14 counties in Kansas and Osage County in Oklahoma.)

Blue Stem (Flint Hills) Pastures of Kansas

The Blue Stem pastures received nearly 3 per cent more cattle this spring than a year ago. The cattle and calves arriving from January 1 to May 31, 1950, are estimated at 316,000 head, compared with 308,000 head in 1949, and 322,000 head in 1948, and the ten-year (1939-48) average of 278,000 head. A slightly smaller number of cattle and calves was wintered over than a year earlier. The cattle shipped in consisted of less aged steers and a larger proportion of cows and calves and young cattle.

The condition of the cattle shipped in varied greatly, with some thin cattle from dry areas. Cattle are making rapid gains after a slow start. The condition rating of cattle and calves is reported at 88 per cent, compared with 92 per cent a year ago, and the ten-year (1939-48) average of 93 per cent.

Pasture conditions are good. Cold, dry weather delayed the growth of grass with some supplemental feeding of cattle arriving early. Abundant May and early June rains made favorable summer grazing prospects. The pasture condition on June 1, 1950, was reported at 87 per cent, compared with 96 per cent a year ago, and the ten-year (1939-48) average of 92 per cent.

Osage Pastures of Oklahoma

The Osage pastures received about 51,000 head of cattle this spring, an increase of nearly 19 per cent over the 43,000 head received in the spring of 1949. The 1949 receipts were the smallest of record, which compares with 47,000 cattle and calves received in 1948, and the ten-year (1939-48) average of 59,000 head. A few less cattle were wintered over than a year earlier. Cattle are making good gains after a slow start, with a reported condition on June 1, 1950, of 92 per cent, compared with 95 per cent a year ago, and the ten-year (1939-48) average of 93 per cent. The receipts this spring carried a smaller proportion of aged steers than in past years, with a larger proportion of cows and calves and yearlings.

Pastures are good after the delayed growth due to cold, dry weather. May rains gave ample moisture and stock water to make good summer feed prospects. The pasture condition on June 1, 1950, was reported at 92 per cent, compared with 99 per cent a year ago, 90 per cent two years ago, and the ten-year (1939-48) average of 94 per cent.

Texas Crop Report

A 1949 Texas wheat crop of 24,687,000 bushels—the smallest production since 1936—was forecast by the United States Department of Agriculture, based upon conditions as of June 1. This production, the same as forecast a month earlier, would be only about one-fourth as large as the 102,848,000 bushel crop harvested in 1949 and less than half as large as average production of 56,350,000 bushels for the previous 10-year period. Acreage now being harvested was estimated at 2,743,000 acres, 61 per cent below the 7,093,000 acres harvested last year and 38 per cent below the average of 4,403,000 acres. Yield per harvested acre is forecast at 9.0 bushels compared with 14.5 bushels last year and the 10-year average of 12.4 bushels.

Production prospects improved during May in most areas off the High Plains, where favorable moisture conditions resulted in unusually well filled heads. Early harvest was showing better yields than had been expected. Improvements in the Low Rolling Plains and North Texas areas, however, were offset by further losses from already meager prospects on the High Plains, where the major portion of the acreage was lost from severe drought and greenbug damage and May rains came too late to help the crop. An unusual proportion of production

Effie's Last Ride



A CHUCK WAGON YARN

One evening at the Sassy Circle, Shug Ryan made the mistake of asking Mouth Horne about his love life.

Mouth took a long drag on his pipe. "Shug, there's only one woman I ever really cared for. That was El Paso Effie. She had everything a man could want: muscles, energy, and plenty of brawn. When I took her in my arms, there was only one thing I needed . . . longer arms. But Effie was more'n just a big beautiful girl. She was a top-notch horsewoman. Why, I saw her tame some of the toughest, orneriest broncos in the Panhandle!" Mouth stopped and sadly bowed his head. "I sure do miss Effie," he said.

"What happened to her?" asked Shug.

Mouth wiped away a tear. "Well, sir, for a long time Effie had been beggin' me to let her ride my wild horse, Smoky. Nobody but me had ever been able to ride him. But Effie kept beggin', and one day I gave in . . . As soon as Effie was up on Smoky, he started buckin' somethin' awful. Effie hung on for awhile, but Smoky gave one powerful pitch, and she went sailin' seventy-five feet in the air. When she finally came down, she hit the ground with such a wallop that the metal spring in her bustle kept her bouncin' for days. After a week had gone by, I could see most likely she'd never stop bouncin'. So I shot her rather'n let her starve to death."

* * *

Sometimes hard facts can seem just as amazing as "tall tales." Take, for example, the facts about *Swift's Mineral Supplement*—and the importance of minerals to livestock.

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Even good grass may lack phosphorus or other essential mineral nutrients. When this is the case, livestock will not develop properly or finish profitably. As a result, grass lacking minerals can cost you money.

But mineral deficiency need not be a problem to you, or any stockman. Both *SWIFT'S MINERAL SUPPLEMENT* and the newer *SWIFT'S HI-PHOSPHORUS MINERAL SUPPLEMENT* provide all the essential minerals in correct amounts. Besides phosphorus, they contain calcium, manganese, iron, copper, cobalt, sodium, chlorine, magnesium, and iodine.

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It contains at least 7% phosphorus. It supplies all the phosphorus your cattle need for fast, healthy growth.

Swift's Mineral Supplement is palatable. Molasses is added so livestock will eat all they need.

Top quality products, fairly priced

Both *SWIFT'S HI-PHOSPHORUS MINERAL SUPPLEMENT* and the standard *SWIFT'S MINERAL SUPPLEMENT* offer fast, low-cost gains. They contain no fillers, no waste. They're easy to handle, easy to feed, easy on the pocketbook—and they get results!

SWIFT'S CATTLE CUBES, *SWIFT'S CATTLE CONCENTRATE*, and *SWIFT'S RANGE PELLETS* provide a balanced combination of animal and vegetable proteins. Both cubes and pellets are also fortified with vitamin A.

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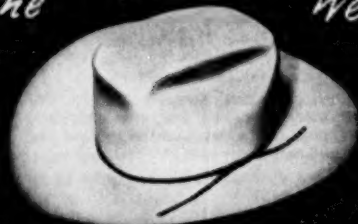
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on the High Plains will come from the area around Hale, Floyd, and Crosby Counties. Harvest of wheat started about mid-May and had become fairly active in the Low Rolling Plains and North Texas areas by June 1, although slowed by rains and heavy dews. Some fields in the south High Plains were ready for harvest the first week of June.

The first forecast of the year placed the oat crop at 30,940,000 bushels, comparing with 34,020,000 bushels last year and the 10-year average of 31,195,000 bushels. Favorable moisture conditions since mid-April resulted in marked recovery from earlier drouth and greenbug damage, and yields were turning out only slightly below average on about an average acreage. Harvest has progressed into North Texas. The barley crop was forecast at 1,935,000 bushels—the second lowest production since 1937. The 1949 crop was 2,774,000 bushels and the average was 4,069,000 bushels.

The corn crop was making very good growth at the end of May. Earliest fields were tasseling in central Texas. Moisture was favorable in all principal corn producing areas and excessive in some east Texas counties. Early sorghums were also making good progress. The commercial crop in south Texas was maturing with good yields in prospect. Drouthy conditions delayed seed bed preparation and early seeding of sorghums in High Plains counties, and heavy rains in southern counties at mid-May necessitated general replanting of the limited acreage that had been planted. Seeding has progressed at a rapid rate since late May in most of the High Plains area. Yields on first cuttings of hay have been good. Cutting and baling of alfalfa was active in all areas, with some interruption and losses from frequent rains. Ranges and pastures were in very good shape in all areas except a few west and northwest areas. Pasture condition at 84 per cent of normal compares with the exceptionally high condition of 91 per cent last year and the 10-year average of 80 per cent. Flax harvest was practically completed. Yields were only fair. Planting of peanuts was underway in central and north Texas. Planting and cultivation of cotton has been halted by heavy rains in central, northern and eastern counties, with some loss of acreage. Severe local flood damage occurred in the Brownsville area. Cotton was fruiting heavily in the Lower Valley and planting was making good progress in northwest areas. The growing crops in these late areas were in good condition.

U. S. Crop Outlook

CROP production in the United States in 1950 is expected to be well below that of recent years, according to the June report of the United States Department of Agriculture. Acreages of important crops have been reduced by diversion to fallow, pasture, new meadows and less productive crops. More cropland than usual will remain idle in 1950. In addition, progress of the growing season is still retarded, although significant recovery occurred during May. Spring-sown grains in most areas made good progress, despite late seeding dates. Planting of corn and soybeans progressed rapidly during the latter part of May and development of these crops is about normal. Winter wheat prospects improved slightly with favorable conditions in most areas as heads formed and filled. Favorable weather in late May and early June tended to correct deficiencies of sunshine or rain, as the case might be, in most of the country, though the rains in some sections interfered with completion of planting and spring work.

Yield prospects for winter wheat improved to the extent that production is now estimated at 710 million bushels, nearly 21 million bushels more than on May 1. Harvest is under way in the South, also in the Southwest, where yields are mostly better than expected earlier. Heavy heads developed on the short, thin straw as kernels filled well. Much acreage yielding only three to five bushels may be harvested as an "expense" crop in the Southwest, as some recovery followed "greenbug" and drouth damage. The threat of aphid and mosaic disease in the central Great Plains is present, but it is not yet regarded as serious. Inability to seed spring wheat at usual dates in the North may have reduced the acreage below intentions and has lowered yield prospects. Estimated production of over 234 million bushels, added to the winter wheat, results in a total wheat crop of nearly 945 million bushels, first to fall below a billion bushels in seven years.

A wide range in crop prospects is reported by farmers in various areas, in response to the question on "all-crop" prospects asked each June 1. For the country as a whole present prospects equal the 10-year average, but are well below last year. By regions, the North and South Atlantic States have better than average prospects. South Central States about average, while North Central and Western States are only slightly below average. Of the South Central States, only

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Kentucky and Tennessee have good prospects, with most others only fair and western parts of Oklahoma and Texas poor. Of the Western States, prospects are very poor in New Mexico and southeastern Colorado, but in the others are mostly good.

Planting of sorghums was delayed because of dry topsoil in parts of the Central and Southern Great Plains. Cotton planting continues in some areas, as rains in early June interfered with completion of this work in northwestern sections and interrupted chopping and cultivation rather generally in the southern cotton belt. June weather has been favorable for weevil activity. Good progress was made in peanut planting. Rice seedlings are in good condition in southern areas and development in California is advanced.

Foot and Mouth Disease Situation

GENERAL HARRY H. JOHNSON, Co-Director of the Mexico-United States Commission for Eradication of Foot and Mouth Disease recently completed a ten-day tour of inspection throughout the quarantine zone and announced the campaign at the present time "is of more concern to us than ever before."

"We are encouraged because there have been no outbreaks of the disease during 1950," General Johnson said, "but we also are amazed that we have been so fortunate."

"When we say that the campaign is at a most critical stage, it is because every day thousands of animals are becoming susceptible to the disease, through loss of vaccine-produced immunity, and it is almost too much to hope that these animals will not come in contact with the virus."

"Our people in the field are alert and aggressively seeking out any sick animal which may exist. We receive reports of scores of suspicious animals each week, and every instance is investigated immediately. So far, out of more than 320 reports of suspicious animals reported since January 2, 1950, not one has proved by tests in our laboratories to be foot and mouth disease."

"We are on the last round of vaccination, which will end in August. Already animals in approximately 40 per cent of the infected zone have gone four months without vaccination, and while none has broken out so far, it is almost a

certainly that the virus may still exist in some remote sections of Mexico.

"Our goal is to find any existing infection, and destroy it; therefore, it is easy to understand our apprehension at this stage of the campaign. We are ready for bad news but prayerful that the disease is licked."

U. S. Pig Crop Report

THE number of pigs saved in the spring season of 1950 (December 1, 1949, to June 1, 1950) is estimated by the United States Department of Agriculture to be 60,879,000 head. This is 1,653,000 head or about 3 per cent larger than the spring crop last year. It is also 9 per cent larger than the 10-year average. The 1950 spring crop is the third largest on record, being exceeded only by the spring crops in 1942 and 1943. Compared with 1949, the spring crop is up in all regions except the North Atlantic and the West. The South Atlantic Region shows an increase of 6 per cent followed by the West North Central, up 4 per cent; East North Central, up 3 per cent; and South Central, up 1 per cent. The West is down 12 per cent and the North Atlantic down 17 per cent.

The number of sows farrowing in the spring of 1950 is estimated to be 9,518,000 head. This number is 5 per cent larger than last year and 7 per cent larger than the 10-year average. The 1950 spring farrowings are 3 per cent, or 279,000 head less than farmers' reports last December indicated would be farrowed. The number of pigs saved per litter in the spring of 1950, at 6.31 pigs is 2 per cent less than the 6.45 pigs of last year. The record is 6.46 pigs, attained in the spring of 1946. Weather conditions over most of the important hog producing States were not entirely favorable during the peak farrowing months. Reporters generally attributed the smaller number of pigs saved to cold or stormy spring weather.

Fall 1950 Intentions

Reports on breeding intentions indicate that 6,017,000 sows will farrow in the fall of 1950. This is 291,000 or 5 per cent larger than the number farrowing last fall. If these intentions are realized, the number of sows farrowing during the fall season (June 1 to December 1) would be the third largest on record—exceeded only by the number in the fall of the war years 1942 and 1943.

EXPERIENCE Gets the Job Done



IT TAKES EXPERIENCE to train a horse for work or show. It takes experience to know how to feed horses, too. And it takes years of experience and research to make horse feed that does the job. That's why so many leading horsemen have relied on research-proved Purina Omolene through the years.

PURINA OMOLENE has the right variety of quality ingredients needed for condition and staying power. Horses like Omolene. See for yourself. Take advantage of Purina's FREE OMOLENE offer... at your Purina Dealer's.

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FREE OMOLENE!

If you would like to try OMOLENE at no cost, present this coupon to your Purina Dealer. He will give you 8 pounds of OMOLENE... a day's grain feed for your horse... ABSOLUTELY FREE! Get your OMOLENE now. This offer expires Aug. 15, 1950.



OMOLENE... A FINE FEED FOR ALL HORSES



Screw worms, like those pictured above, can infest open wounds on your animals. The wounds or injuries may be the result of dehorning, branding, castrating, shear cut, wire cut, saddle gall or wounds of unknown origin. Even tick bites may be attacked by screw worm flies, which lay eggs to hatch and form maggots or larvae so destructive to tissue.

Infested wounds disturb the animal's normal feeding routine causing costly weight loss. If wounds are slow to heal and remain open they may even lead to serious infections which will cause death.

Use new formula K·R·S with diphenylamine for maggot elimination because:

1. K·R·S kills maggots on contact.
2. K·R·S keeps wound toxic or poisonous to newly-hatched screw worm larvae.
3. K·R·S is non-irritating to tissues.
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K·R·S-Improved

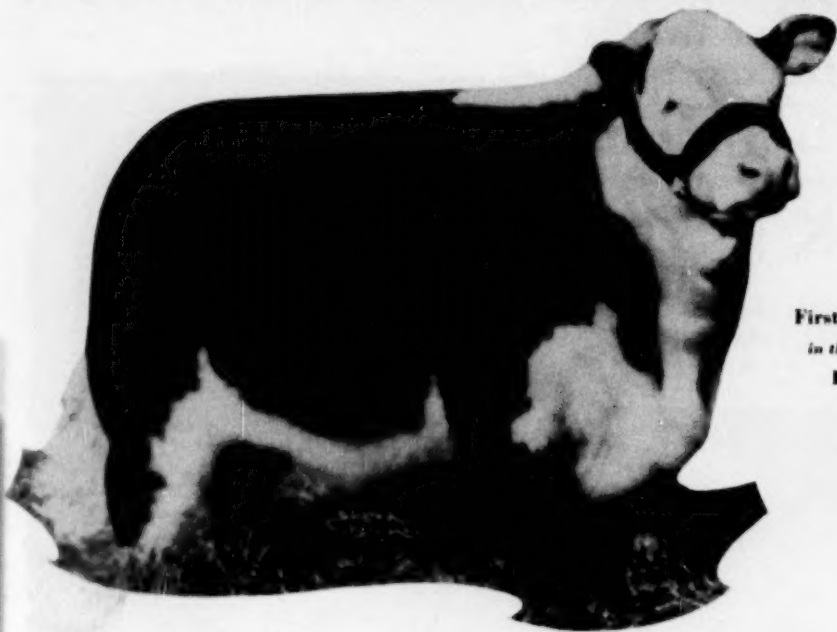
available in handy, pocket-sized cans . . . ready for immediate use. Requires no mixing—no paddles or brushes; just squirt directly into wounds.



Get **K·R·S-Improved**, from your veterinary supplier

Cutter Laboratories, Berkeley, California

The TYPE that wins APPROVAL



First Prize Jr. Steer Calf
in the Hereford Steer Show
Fort Worth, 1950
by
TR Zato Heir

TR Natural Fleshing Quality Herefords

Are the kind that win approval from the breeders, the feeders,
commercial producers, the packer buyers, and show ring judges.

Thanks to the buyers of our offering of heifers in the Hereford Heaven Sale June 10, these heifers were sired by or were carrying the service of TR Zato Heir and went to the following:

S. W. Bobbersen, Oklahoma City, Oklahoma
Lozy K Ranch, Marietta, Oklahoma
Sizs Synon, Stillwell, Oklahoma
Marshall Hereford Ranch, Westfield, Oklahoma
J. P. McNatt, Greenville, Texas. (Mr. McNatt purchased the top selling female of the sale—a daughter of T Calde Rupert and bred to TR Zato Heir.)

We were pleased with the comments about our cattle by the many breeders who visited Turner Ranch on the recent Hereford Heaven Tour. To the tour visitors we say "hurry back" and to those of you who were unable to be with us during tour time, we extend a cordial welcome to come by and see our herd and the calves by TR Zato Heir.

NATURAL
Fleshing Quality
HEREFORDS

**"TURN TO"
TURNERS**



ENTRANCE TO RANCH - 7 MILES EAST AND 1 MILE NORTH OF SULPHUR - STATE HWYS 7 & 12

TURNER RANCH - SULPHUR, OKLAHOMA

ROY TURNER

JIM McCLELLAND

ROLAND JACK

JOHN BLENKIN

The Brahman Cattle in the Crossbreeding Program



By H. G. BRUGMAN, Assistant Professor, Department of Animal Husbandry, State College of Washington, Pullman, Wash.



A Brahman bull.

THE Brahman (Genus *Bos Indicus*), is the oldest of all living breeds of cattle, having been bred for thousands of years in India. The Persians also had Brahman cattle as long as 3,000 years ago, as evidenced on temple walls. Egyptians had the humped cattle as early as 1500 B. C. Brahman cattle are also called Zebus by some. The name, Brahman, was coined by breeders in Texas. This latter name was coined by a French naturalist, and neither word is applied to cattle in India. These cattle have endured the worst in weather, pests, diseases, and famines and have evolved into one of, if not the toughest, most resistant type of cattle in the world today. This great resistance and rugged constitution have enabled the Brahman to cross well with all known breeds of cattle, until today they are the most numerous of any breed. Over half of the cattle in the world carry Brahman blood. There are numerous breeds of these cattle from India such as the Nellore, Guzerat, Krishna Valley, Gir, and Red Sindhi.

The first importations into this country are believed to have been to South Carolina in 1849. However, the first sizable importation came in 1906 when the Pierce Estate, Wharton County, Texas, brought in thirty-three head. In 1924, John T. Martin of San Antonio imported from Mexico another large group of the Guzerat breeding. These have proved to be much more satisfactory as

beef producers, since they have a good temperament for the Southwestern area. The Nellores are more shallow and leggy and in this country have been replaced for the most part by the Guzerat.

In 1924, the American Brahman Breeders Association was organized. By 1945, they had registered 59,567 head of cattle. The latest report from the association shows that over 100,000 head have been registered as of January, 1949. Thus, a 40.4 per cent increase has been shown in the breed's purebred number in the last four years. It is doubtful if any other breed can boast such a percentage rise over a similar period.

Breed Characteristics

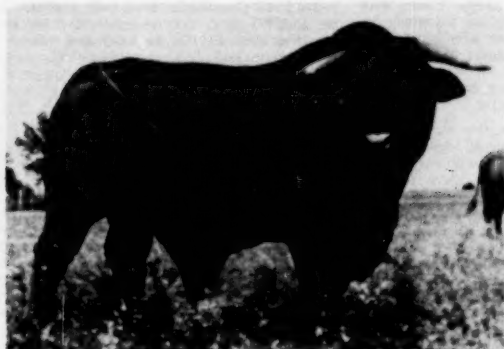
Beef-type Brahman cattle are large animals with well-rounded hind quarters; straight, strong backs; and wide, deep bodies. The Brahman is long between the hooks and pin bones, thus assuring the packer a good set of high-priced cuts. They are of good strong bone, and have smaller heads than the English breeds. The horns are heavy and usually upturned; the ears are a significant breed characteristic, which with the rest of the hide are passed to the crosses. The long pendulous ears are not characteristic of all Indian breeds, but in this country seem to be desirable. These cattle are characterized also by a large and prominent hump at the withers. Contrary to popular opinion, the hump is not made up of waste fat but

is a well marbled edible meat which is usually used as a pot roast. In other countries, the hump is cooked in other ways and is considered quite a delicacy. The question is often asked, "Why the pronounced and hanging dewlap?" This loose skin is not merely an outstanding breed characteristic, but it is also a definite organ with an important purpose. The Brahman has its greatest concentration of sweat glands here, thus giving a large and added area for evaporation. The dewlap is an integral part of the cooling system of these cattle which enables them to tolerate wide ranges of temperature and climatic conditions.

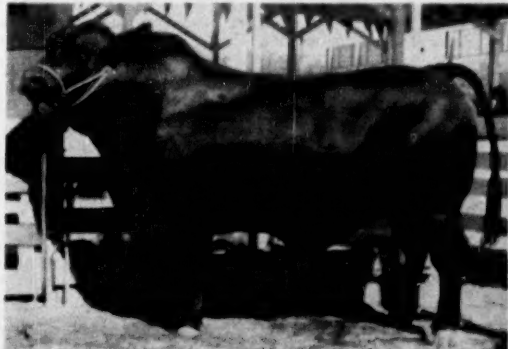
Brahman cattle come in a wide range of colors in India, but the various shades of steel gray shading to black over the shoulders and rump on the bulls predominate. The cows are usually light steel gray to white over the whole body. There are reds of various shades, too. They are popular with some breeders.

The Brahman is inquisitive, intelligent, and in most cases, shy. They are high spirited and energetic. This factor accounts in many ways for their unusual thriftiness and rangeability. The association members claim that when well bred and properly treated, these cattle handle easily. Buckaroos in Texas learned many years ago that you can lead Brahman, but that they do not lend themselves to being forcibly driven or beaten.

(Continued on Page 42)



A Santa Gertrudis bull.



A Brangus Bull



Brahman cattle respond to kind treatment and become pets.

The Whites Like Brahman

By MAUDEEN MARKS

ABOUT seven miles out of Hearne, Texas, on a rolling gently-twisting ribbon of a road is a modest country home perched on the crest of a hill. It appears a familiar sight, the conventional small farm home.

But behind the fence which encloses it, is a surprising story, one of unique achievement which begins to unfold with the meeting of Mr. and Mrs. J. T. White, two "salt of the earth" citizens of the variety which form the "backbone of America."

And this is the story as we heard it from one who is stamped as a man of the sun and soil by the crowfoot creases at his eyes, and a gracious, unpretentious lady who can milk a barn full of cows or set a bountiful table for twelve with equal ease.

Twelve years ago J. T. and Katie White were just two more "sandhill farmers," as they called themselves. They had acquired some acreage, some cows, some goats, hogs, chickens, ducks, cats and dogs. They were getting along... but not very fast, a fact they had known for some time by the detailed set of books they had kept on their operations since 1919.

Their detailed ledger, alone, on which the most trivial expenditure was set down would have been clue enough for anyone to know that these farm folks were something out of the ordinary... but very few knew that the ledger existed.

With little more success than had afforded them the necessities of life, the Whites had invested in one type of livestock after another. Knowing that somehow the good earth should be more generous to its believers they began to cast around for a definite concrete plan which would be more productive in every way.

It was during this period of their life that a friend offered to give them a Brahman bull calf. So prejudiced was he that Mr. White refused to haul it home. To his idea Brahman cattle were wild and bad-tempered, a novelty for rich cattlemen and a fixation of "crackpots."

But as he protested their worth he began to notice the rapid growth, vigorous health and market premium of grade Brahman. Still protesting he switched, almost in desperation of finding a better livelihood, to registered Brahman cattle.

The Whites embarked on a successful program of breeding and feeding that is hard for the average rural man to believe until he has seen the records in black and white. With the idea of excluding all other types of agricultural and livestock operation, they began to accumulate Brahman. If this "furriner" from India was to make any money, he would have to do it all alone. There was to be no help from sideline interests in hogs, goats, a garden or anything else. And make it, the Brahman did, affording this couple a way of living today which in their estimation is "luxurious" compared to earlier days.

There were two principles that future operations would be based upon. Just like the "town man's" business, their marketable product would have to pay all bills incurred and provide a comfortable living. Secondly, production plans were formulated on the idea that ultimately in the livestock business everything goes over the scales. This meant a heavier overhead to be met by an operation restricted to produce one marketable item, a theory on which few, if any, other farms operated.

Men have stood aghast and unbelieving as Mr. White has recited his feeding

plan to them. Grazing on pastures improved with fertilization and intensive seeding with nutritional grasses is only the beginning. Until reaching the age of three years old, each Brahman is fed a mixture of two pounds of cake, five pounds horse and mule feed, five pounds hammered corn, and three pounds of wheat bran twice a day plus two kinds of hay, alfalfa and a quality dry hay. After cows have calved they get two extra pounds of cake a day. During the dry summer months his cattle are fed two pounds of grain a day and during the winter are given twelve pounds of alfalfa hay per day. When it is cold they are given all they can eat. Sucking calves receive one and one-half to two pounds of grain in their feed daily. Every ounce of feed is carefully weighed and computed. After the feeding Mr. White cleans the troughs and picks up pellets of cake beside the troughs which have been dropped from the mouths of the cattle.

In 1948 the White feed bill amounted to \$12,600 and the rancher thinks he made a mistake not to have fed two or three thousand dollars more of it.

Perhaps this does not sound like anything extraordinary to the man who grooms his cattle for the show ring. But take into consideration the fact that no Brahman while in possession of the Whites has ever been exhibited at any major show. And yet, every animal in the herd is in "show" condition.

No detail is too small, nothing is too good for his cattle. Mr. White built his feeding troughs of the finest hardwood flooring, with a sloping bed that allows rain to drain off immediately. The boards are close-set as the floor of the finest house in order that no feed is wasted by spilling through.

Everything on the ranch has been built with great thought to efficiency

and productiveness. The fence posts are set in concrete. The lots and pastures are laid out as carefully as the modern wife arranges her kitchen.

Everything possible is done to keep the cattle in first class condition, and the best of health. A "maternity ward" has been established near the house. It is lighted with powerful lamps so that a cow about to calve is brought there to receive as careful attention as the expectant mother receives in the most modern hospital. The mortality has been negligible. Many calves, and some cows, have been saved that without assistance would have died.

The first year the Whites started with seven cows and four calves. They soon learned that Brahmans are gentle cattle, quick to respond to affection. Within the year every one of those animals was eating out of their hands. All White Ranch Brahman are broken to halter, will lead, load into a trailer as quietly as a trained horse, and can be approached and petted even while grazing. Every cow, with the exception of one individual, can be milked by Mr. White without being haltered, right out in the middle of the pasture.

During the war Mrs. White wished to aid on the home front in whatever way possible. There was, if you remember, a critical shortage of milk, and Mrs. White thought to add to the supply by milking her registered Brahman cows. With the money she received she has since purchased the last three automobiles owned by the family, a 10 foot G. E. refrigerator, a six foot deep freeze and a \$1,000 worth of government bonds. With the Brahman she milked only one dairy cow.

Mr. and Mrs. White looked to every means to streamline and modernize their operations. After reading numerous "bonus" ads of manufacturers and retailers they decided to adapt such methods to their own business. Mr. White guarantees delivery of the animal anywhere in Texas free of charge with each sale. He gives his customer a first class leather halter and lead rope and offers to put the buyer's name on a list for a free leopard cow-dog pup when it is available. "Everything to make the sale attractive" is their motto.

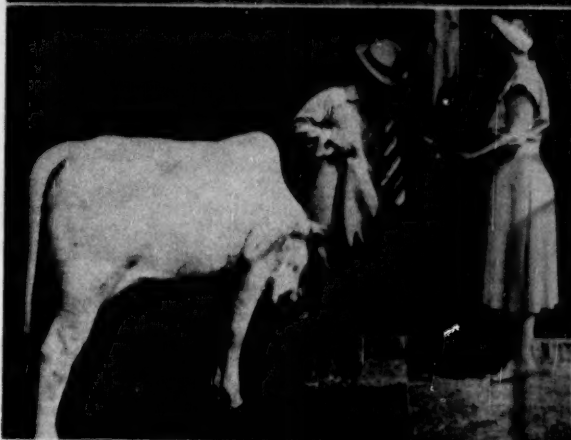
They know that Brahman cattle have brought them prosperity, have given them a new outlook and the means to have many conveniences and pleasures of which they only dreamed in former years. They are grateful and thankful for the goodness which life has brought them and are still wide-eyed with wonder at its beauty. For those who cannot believe their success, they have but to show them their ledger, carefully marked off into "accounts" which itemize every package of gum Mrs. White buys for herself and every saucerful of milk for the cats. Why the ledger even shows that the cats, labeled "Luxury" cost 40 cents a day to feed.

Real "down to earth" people, the Whites are an inspiration to all who meet them. They attribute their success to Brahman cattle...others attribute their success to Brahman cattle, their sterling character, keen intelligence, and efficient plan of operation.

This is the type of bull the Whites use on their herd of Brahman females.



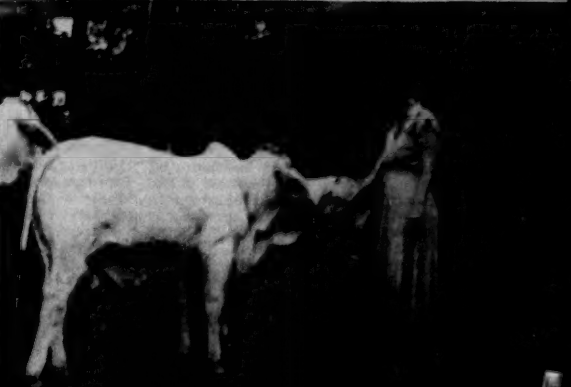
The Whites keep an accurate check on their operations and weigh every ounce of feed fed to their Brahman.

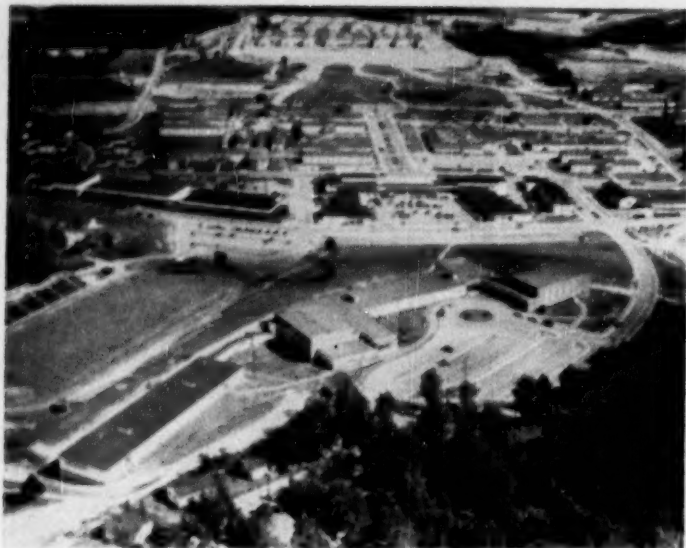


Mr. White makes it a point to pet his Brahman whenever possible and finds they respond to kind treatment.



Mrs. White even has the cattle walking up to her and eating out of her hands.





Oak Ridge, Tennessee, the atomic city; Site of the world's greatest feat of science. Nearby is the world's only "atomic ranch."

The Atomic Ranch at Oak Ridge

By RICHARD W. WALLACE

*"The thing that hath been,
It is that which shall be,
And that which is done is;
That which shall be done;
And there is no new thing under the sun."*

Ecclesiastes 1:9

THE atomic age with its long, ray-like fingers has reached out into every corner of the globe. In the uncertain Summer of 1945 they "touched" a herd of Herefords grazing peacefully on a high mesa near Alamogordo, New Mexico, thus making them the first living casualties of the atomic bomb.

This strange story opened during the drizzly, early morning hours of July 16, 1945, when a tremendous blinding flash scared across the heavens, followed by a sustained awesome roar. The first atomic bomb had been successfully detonated.

The hundred frightened Herefords on the mesa, however, did not realize that the atomic age had just roared in, nor could they have presaged that the solar-like flash meant a drastic change in the course of their lives and the very purpose of their existence.

Their first inkling came four to six weeks later when they were found on the wind-swept mesa deathly ill from a mysterious ailment that left large open sores and blisters and caused large patches of hair to fall out.

Enraged and chagrined ranchers on finding their burned and blistered cattle languishing on the range some weeks later, put two and two together for the well-known four. They promptly contacted officials of the Manhattan Project (Army Engineers' Code name for the atomic plants at Oak Ridge) and found that through an oversight the cattle had

not been removed from the test area in time.

However, the Herefords were purchased from their New Mexico owners by "Manhattan" officials and in January, 1946, were shipped to Oak Ridge, Tennessee. A small remnant of the herd was left at the mysterious Los Alamos Laboratory near Santa Fe, New Mexico, for further study and observation there. However, they, too, have since been sent to join their relatives at Oak Ridge.

Very few persons realize that the great bulk of Oak Ridge's 60,000 acres are great open spaces fenced in by the friendly Tennessee hills and mountains. It wasn't too difficult, therefore, to stake out a 3,000-acre ranch for the radiation-stricken Herefords within the secret, restricted area of the Oak Ridge reservation. It is really the world's first "Atomic Ranch."

Six months after their accidental exposure to the bomb's radiation, the cattle began to react favorably to their new environment. A few calves were born which so far have turned out quite normal. However, they are only one generation removed from their radiation-afflicted parents. It may take as many as three or four bovine generations to ascertain damage to genes from atomic radiation.

Another important fact is that the loss of large patches of the "original" reddish hair were replaced with a "whitish" growth, which accounted for the cattle

being referred to as "The Ghost Herd of Alamogordo." As a result, many visitors to Oak Ridge after the war actually expected to see cattle which were 100 per cent ghostly white. But they were due for a disappointment, as was the writer, for there was just a trace of a grayish-white streak down their backs and in patches near the rump on others.

The point is to forget completely any nonsense about a "ghost herd" and realize that the oversight that left these cattle in the bomb's wake was a "happy one" for science, the cattle industry, and the future of the human race. So much for the history. The "how" and "why" makes one of the most unique tales of the atomic age.

Long-Range Research Project

Almost three years passed following the Alamogordo bomb run, during which time the "atomic herd" continued to graze on the Oak Ridge ranch. The bell on the neck of old Adam, the atomic bull, tinkled occasionally. More calves were born and the herd increased. But people didn't give the matter much thought, if any, for there were more important matters. The eyes of the world were on Potsdam, Hiroshima, Nagasaki, Moscow, Operation Vittles and Operation Crossroads.

Then, in April, 1948, Dr. Albert H. Holland, Jr., director of the Atomic Energy Commission's Office of Research and Medicine at Oak Ridge, decided that the day had arrived for the "atomic cattle" to go "on stage." The arena of scientific research was to be made ready. A meeting was arranged for technical personnel of the AEC and the University of Tennessee in near-by Knoxville, which resulted in the AEC giving the University an initial grant of \$250,000 and a contract for a long-range research project to be known as the UT-AEC project.

Aside from the University's prowess in the agricultural field, its president, Dr. C. E. Brehm, himself an agriculturalist of world-wide note, imported Dr. C. L. Comar from the University of Florida, whose background was just about tailor-made for this project for he had been doing similar work at the University of Florida's Agricultural Experiment Station at Gainesville. He had actually fed minute amounts of radioactive cobalt, copper, manganese, and other such elements to a motley collection of cattle, sheep, goats and swine. From these experiments he learned the actual distribution of these important elements within their system.

More and more knowledge is being gained about cobalt. This has application to human beings, also, for just recently cobalt poisoning of some workers in the steel industry became an important problem requiring definite knowledge as to the distribution of cobalt in the body. However, the scope of the Florida project was definitely limited by the relatively small amounts of radioactive elements men were able to produce. Prior to the production of uranium-235 there was no machine in the world capable of producing radioactive elements on any scale.

The machine that could and did do the job was the atomic pile or furnace at Oak Ridge, called "furnace" because the uranium "bricks" actually produce intense radiations and heat. Ordinary elements placed within this "furnace" are "cooked" by the uranium rays which make them "hot" or radioactive elements.

(Continued on Page 36)

Brahmans Making Great Progress



By HERMAN TAYLOR
President of American Brahman
Breeders Association



Brahmans on the HT Stock Farms, Natchitoches, La.

It is America's talent to make a good thing better. On the ability to do so our great nation was founded, our vast resources explored and industry has thrived. The United States of America stands first among nations in war, in peace... in productivity and the provision of an excellent standard of living for its citizens. In this theme of progress the American type of beef Brahman has its place, standing out in bold relief in America's beef industry.

The specie of Brahman cattle had to be a good thing to begin with. It had to be good to survive famine and pestilences, and the variety of climatic conditions of its native country, India. Four thousand years of recorded history tells the story of its survival... the survival of the fittest.

Our livestock producers have had one hundred and one years in which to make this "good thing" better... for in 1849 the first Brahman animal set foot on this continent. Actually the American type beef Brahman has resulted from the careful selective breeding of less than fifty years since it was much later that Brahman cattle were numerous enough in the States to form a foundation herd. The American Brahman Breeders Association was born a short 26 years ago.

The rounded, sleeky groomed, blocked-for-beef Brahman today exhibited in show rings throughout the country is the product of America's talent.

As such, in very recent years, it has met the approval of livestock breeders in 43 states of the nation and 23 foreign countries. The American type beef Brahman has been placed on a pedestal among other Brahman cattle the world over. Here is not only argument but proof that our Brahman cattle are preferred in the building of meat supplies... for more than half the cattle of the world are descendants of the Brahman breed.

Should not our cattle have extra desirable qualities, should they not rate superior with livestock producers the globe over, why then do buyers travel thousands upon thousands of miles to see them and take them back to their

own distant ranches and why then do the livestock departments of foreign countries include our animals in their breeding programs to better their native cattle? Surely if they did not require the exceptional qualities of the ABBA Brahman they could not summon animals of Indian breed descent from their backyards.

In the countries of South America where the Brahman breed had a much previous foothold (in fact, supplied us with much of our foundation stock) than its northern neighbor and where Brahman are registered under several different breed books there are found numerous ABBA animals being used for the improvement of their own cattle.

In the last several months dozens of ABBA Brahman have crossed the briny Gulf of Mexico and traveled the blue Pacific Ocean to South American countries of Colombia and Peru. On the edge of the Amazon Jungle Basin our American type Brahman have steadily proved their excellence through several experimental generations. Cattlemen there prize this Brahman blood from North America so much that they are willing to send runners by foot over the stratophoric Andes to inquire about the availability of the offspring. This is exemplary of the demand for the American type beef Brahman which is spreading so rapidly everywhere.

Mauritius, on the Coast of East Africa, is many miles closer to India and South America... yet breeders have found their way here and consigned their precious devaluated means to transporting the great American type Brahman to their lands.

In establishing the demand for American type Brahman here are more of the destinations of Brahman exported from the United States: Guam, Australia, Venezuela, Guatemala, Hawaii, Cuba, Canada, Jamaica, Cost Rica, Alaska and Mexico.

The reason for the demand is in the persistent endeavor of members of the American Brahman Breeders Association over a period of years to produce a better animal. The demand is for the majestic animal which conforms to ABBA standards of vigorous health, excellent bone, fleshing quality and thrifty feed-

ing. His birthright was the heredity of tens of thousands of generations... that of resistance, hardiness, thriftiness and ADAPTABILITY.

But perhaps one wonders if we have wandered too far afield in attesting the greatness of our "star-spangled" breed. The interest of cattlemen at home, within the borders of the United States, is obvious in recorded registrations and transfers in 43 states of the nation. It is apparent in the consistent balance of registrations and transfers annually... (almost too well balanced, say ABBA breeders who are tempted to part with their finest because of the pressure of pyramiding dollars offered them on occasion).

Over a matter of the four recent months the association received eligible applications for 71 new members. The ABBA is in its growing infancy! Because it has a product which is at present unlimited in potentiality due to its exceptional qualities!

In considering the American type beef Brahman... consider the fact that every bovine breed originating on the North American continent has grown with the strength of ABBA Brahman blood... that every known breeder trying to establish a new breed is using ABBA Brahman blood.

Our membership is proud of its success story, proud of the accomplishment in developing the foremost object of our pride... the American type beef Brahman.

Our membership is careful that there is no slack that needs to be taken up in the interest of progress. They have dedicated our association along with themselves to the further improvement of the breed. At the first quarterly meeting of the Board of Directors held May 23 this year a new standard of excellence was adopted. It can be and will be modified if and when the occasion requires it. We know we have a story of profit for those who would supply our meat coolers and packing houses. We want first of all to maintain and improve, if possible, the quality of our breed. We are so certain of our breed that we can without referring to pages of mathematics be certain of the demand, already foremost in evidence.

Registering and Transferring Brahman



Prepared by HARRY P. GAYDEN, Executive Secretary
American Brahman Breeders Association, Houston, Texas



It is commonly said among cattlemen that a certificate of registry is "no better than the man who breeds the animal."

THEY'RE often called "red tape" ... but forms have figured big in keeping America's rate of production faster than that of any nation in the world.

They are also often boring, irritating, and sometimes downright confusing ... but they are definitely most vital in the operations of the livestock industry, including the American Brahman Breeders Association.

Our office at 2711 South Main Street, Houston, Texas, prides itself in executing registrations and transfers in record speed but when forms come in that are incorrectly filled in it is like the cogs of an otherwise precision machine slipping.

It has been estimated that from 10 to 12 per cent of transfer and registration forms which reach our office need correction, usually due to being incomplete, having improper signature, or not having any signatures at all.

These applications must be sent back ... sometimes more than once ... consuming much time and breaking down efficiency. Actually it takes as much time to back-up, start over and get that 10 or 12 per cent of registrations and transfers correctly executed as it takes to take care of the other entire 90 per cent of correctly filled forms.

For the benefit of those who want expediency in having their papers processed, there follows complete information on the "how, where's and why's" of properly filling in registrations and transfers to be submitted to the American Brahman Breeders Association for execution.

REGISTRATION

Eligibility

To be eligible for entry in the American Brahman Herd Register, an animal must be the offspring of a Brahman bull and a Brahman cow both of which have been previously registered or recorded in this Association.

Age Limit

Animals over 48 months of age are not eligible for registration. (Effective after March 1st, 1961.) Animals that are

brindled in color are not eligible for registration.

Artificial Insemination

Calves produced by artificial insemination are eligible for registration if the proper procedure is followed and appropriate forms submitted. (Rules and forms supplied by the Association upon request.)

Required Information

Name of Calf
Sex
Private Herd Number, Holding Brand (Firebrands) and Location of Each
Color Description
Date of Birth
Name and Number of Sire
Name and Number of Dam
Name of Owner of Sire
Name of Breeder
Name of Owner

Application Forms

Application for Registration must be made on regular blanks which are supplied by the Association in book form of 25, 50, or 100 at no cost. (See illustration No. 2.)



Facsimile of ABBA Certificate. Illustration No. 1.

Breeding Certificate or Bull Permit

If the person who applies for registration of a calf was not the owner of its sire at the time that the dam was bred to produce said calf, he must secure certification from owner that his bull served the dam. Name and number of the bull and date of service, or if pasture bred, period of exposure, must be given. A space is provided on the Application for Registration for signature of owner of bull. (Illustration No. 2—Item 1.)

If the sire is on lease or loan to the person making application for registration, and if a properly executed "Certificate of Lease or Loan" of subject bull has been filed with the ABBA office, then the signature of the owner of the bull is not required on the application. Lease forms available upon request.

Breeder

The breeder of an animal is the owner of the dam at the time she was bred to produce the calf for which application is made. (Space is provided on application form for signature of breeder or

Application for Registration of American Herd Register
Animal has Directions on Back of this Paper.

Date Received	Date Entered
Name of Animal to be registered	Sex
Private Herd No.	ABBA No.
Markings	
Date of Birth	
Name of Sire	P.H. No. ABBA No.
Name of Dam	P.H. No. ABBA No.

The owner of sire at time dam was served must write his name and give his post-office address here, unless service is required for no transfer of pregnant dam.

The owner of dam at time dam was served must write his name and give his post-office address here, unless service is required for no transfer of pregnant dam.

The owner of bull entered in the pedigree of the animal bred to the animal, if sold, a Transfer Application must be made.

Item I
Item II
Item III

Application for Registration. Illustration No. 2.

owner of dam at time of service.) (Illustration No. 2—Item 2.)

Owner

The owner of a calf is the owner of the dam on date calf was dropped. The required brand is usually that of the first owner. (Illustration No. 2—Item 3.)

Applicant for Registry

The applicant for registry must either have owned both sire and dam on date dam was bred or must have supporting signatures in spaces provided, as mentioned above.

21-Day Rule Between Breeding Dates

Cows bred or pasture exposed to one bull must not be turned in a pasture with another bull in less than 21 days. In cases where this rule is not strictly followed, calves may be declared ineligible for registration, if dates of birth involve a question as to the sire.

Branding Required

A holding brand and private herd number (branded by fire) are required on a calf before it may be registered. The holding brand of the first owner is the one usually placed on an animal to fulfill this registration requirement.

However, where a very young calf is sold before being branded and registered, it must have an identifying number tattooed in its ear, but before being registered, the holding brand of the first owner or the holding brand of the person applying for registration as well as the private herd number, must be branded on the subject animal to meet this identification requirement.

Twins

When applying for registration of twins or one member of twins, the word "twin" must be written following the animal's name on the application, and the sex of the other twin must be given. Unless this is done, no subsequent application for registration of the other twin will be accepted. Even if one twin dies, or is not to be registered, the above information should be supplied for Association records. If both twins are to be registered, a separate application must be submitted for each.

Names

The name of the animal being registered should not exceed twenty-four (24) letters. The numeral portions of names (such as 44th, etc.) must be included in this limit of 24 letters.

Masculine names should be given to bulls; feminine names to females.

Short appropriate names are best. Avoid difficult, freak names.

Registration Certificate

If the Application for Registration fulfills all requirements and is found to be in agreement with Association records, a Certificate of Registration is issued. (See Illustration No. 1.)

The Certificate of Registration should be kept in a safe place by the recorded owner. If sold, the certificate should be sent with the Application for Transfer to the Association office, and subsequently to the new owner.

When an animal dies, is sold for slaughter, or is sold with the specific understanding that registration certificate does not go with the animal, the certificate should be so marked and sent to the Secretary's office for cancellation.

When writing about an animal or certi-

ficate, always give registration (ABBA) number and name.

Never deface a certificate by writing on it unless you are submitting it for cancellation.

TRANSFERS

Transfer of Ownership

Every change in ownership must be promptly recorded with the American Brahman Breeders Association, in order that progeny of the animal may be registered and subsequent changes in ownership recorded. Open transfers are condemned and considered a poor practice. *The Association Looks to the Seller* to promptly complete transfers in every detail, pay the fee, and send to the office immediately after sale transaction is completed.

Application for Transfer

All applications must be made on forms supplied by the Association office.

Reverse side of
ABBA Certificate
with transfer infor-
mation. Illustration
No. 4.

THE ASSOCIATION LOOKS TO SELLER FOR PAYMENT OF TRANSFER FEE		APPLICATION FOR TRANSFER		THE REGISTRATION CERTIFICATE MUST ACCOMPANY THIS TRANSFER APPLICATION	
AMERICAN BRAHMAN BREEDERS ASSOCIATION					
THIS CERTIFIES that I sold the Brahman _____				P.H. No. _____	
Named _____				ABBA No. _____	
To _____ of _____					
(Write across letter printed or use appropriate)					
AND DELIVERED THE SAME on the _____ day of _____ 19____ and I do hereby authorize a transfer of ownership made on the records of the Association in accordance herewith.					
If the above animal is a female, sell was served previous to delivery, NAME and NUMBER of service bull and DATE of SERVICE must be given below, and OWNER of service bull MUST SIGN BELOW. If she is not bred, it must be signed by inserting "NOT SERVED."					
Above animal was served by _____				P.H. No. _____ ABBA No. _____	
Date served _____				19____ or if pasture-bred, give period of exposure	
from _____				19____	
Month _____ Day _____ Year _____				Month _____ Day _____ Year _____	
Signature of owner of Service Bull _____				Signature of Seller _____	
Address _____				Address _____	
Please return Certificate to _____				(Use other title)	

Application for Transfer. Illustration No. 3.

Blank forms in books of 25, 50 and 100 with stubs for seller's reference are supplied free, on request. (See Illustration 3.) The registration certificate must accompany the transfer application, when it is sent to the Association office.


The following required information should be given clearly and accurately on the transfer:

1. Sex, private herd number (P. H. No.), name and ABBA number of animal sold.
2. Name and address of purchaser.
3. When delivered. (The sale date is not so important as delivery date.)
4. If a female, indicate if bred or open. If bred, give name and ABBA number of bull and breeding date, or if pasture-bred, state period of exposure. (Illustration No. 3—note space blocked in by heavy black line.)
5. Signature and address of seller.
6. To whom registration certificate is

(Continued on Page 45)

TRANSFER RECORD AND CERTIFICATE For the Within Registered Brahman		
The last name recorded hereunder is the present owner as shown by records in Brahman Association office.		
NAME, BORN _____	NAME AND ADDRESS OF OWNER AS SHOWN BY TRANSFER RECORD _____	ATTEND BY SIGNED BY THE SECRETARY _____
<p>Any writing on this form not made in the Brahman office will cause the certificate and name above the name of a duplicate as a rule in the books of the Association. No. 44th, etc.) must be included in this limit of 24 letters.</p> <p>Masculine names should be given to bulls; feminine names to females.</p> <p>Short appropriate names are best. Avoid difficult, freak names.</p>		
<p>THIS BY LAWS OF THE AMERICAN BRAHMAN BREEDERS ASSOCIATION, ARTICLE VII, STATE:</p> <p>"Should any animal have been sold to any or transferred through misrepresentation of breed, the Board of Directors, on discovery of the same, shall declare the entry or transfer null, together with any records that may have been made of descendants of such animal. When an animal shall have been transferred, or moved, through misrepresentation or fraud, the Board of Directors may deem the necessary to refuse to record any subsequent entry or transfer dependent upon the signature of any person registered in such fraudulent entry or transfer."</p> <p>In case error is found in any statement on which the Certificate is based, the American Brahman Breeders Association is not responsible therefor.</p>		

**I'LL SELL FOR
A TOP PRICE...**



**BECAUSE OF
KOLOCIDE**

**the new one-shot
spray or dip**

**KILLS MORE
KILLS FASTER
LASTS LONGER
IMPROVES HAIR
GETS STRAINS
THAT RESIST DDT**

Kolocide is an excellent insecticide for use on cattle, sheep, goats, hogs, and horses. It kills more types of flies, also lice, ticks, and fleas. Kolocide kills faster and has a longer residual killing power than other insecticides. Because of this it is highly economical and effective. Kolocide also improves the quality and lustre of the hair coat, making animals look more thrifty. Two powerful insecticides are combined with kolo sulphur in this tested and approved formulation. Apply as a spray or dip. If your dealer does not have Kolocide, write to us.

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Range Grasses

Windmillgrasses Are Spread Widely Over Southwest

By C. A. RECHENTHIN, Zone Conservationist
Soil Conservation Service, Fort Worth, Texas

OF interest to stockmen, the windmillgrass, or *Chloris*, genus includes grasses that are spread widely over the Southwest. Simon E. Wolff in his "Guide to Plant Names in Texas, Oklahoma, Arkansas, and Louisiana" lists 12 species of this genus.

The *Chloris* genus includes both perennials and annuals. Several native perennial species are important range grasses in western and southern Texas and parts of New Mexico. One introduced species, Rhodesgrass, has been widely used for reseeding rangeland in southern Texas. The annuals are not important as range forage; they often invade fields and depleted rangeland.

The windmillgrasses are sometimes known as "fingergrass." This name, however, is also given to other grasses in some areas. The U. S. Department of Agriculture, in an attempt to eliminate duplication, has tried to standardize the use of common names. The name "windmillgrass" was thought most appropriate for this genus, whereas "fingergrass" was the name given to the genus *Digitaria*. The name "*Chloris*" is used for some species that do not have the wide, spreading, windmill-like head.

The windmillgrasses have a number of branches of the head radiating out from one or several points near the top of the seed stem somewhat like the blades of a windmill. These branches are either widely spreading, or ascending. The flowers and seed are in two rows along one side of the branches. The grain is usually enclosed in bracts, the outer having a short awn. The stems of the plants are usually flattened; the leaves are folded or flat.

Hooded windmillgrass is probably the most important of the native perennial species from a grazing standpoint. It has six to 12 branches of the head. One to two inches long, the branches often curl

downward. The seed are triangular and crowded on the branches of the head. The bracts enclosing the seed are cup-shaped, hoodlike, and it is from this fact that the species gets the name "hooded." The seed turn dark as they mature. The foliage is bluish-green. The stems are about a foot high, flat and spreading at the base, with folded short leaves.

Hooded windmillgrass is locally known as "crowfoot grass," "crowfoot grama," "fingergrass" or by the Spanish name, "pate de gallo," meaning "rooster's foot."



Hooded windmillgrass, also called "crowfoot" or "fingergrass," is widely spread over sandy soils of the Southwest. It may become the dominant grass where heavy use takes out grasses more easily damaged by close grazing.—U. S. D. A. S. C. S. Photos.

This variation is one reason for standardizing common plant names.

Hooded windmillgrass is spread widely on sandy soils of central, southern and western Texas and into Mexico. It is found in less abundance in other parts of Texas except the extreme northeastern part.

In its original, ungrazed condition, hooded windmillgrass was found in small amounts. However, it grows so near the ground that livestock can scarcely graze it close enough to kill it out. As a result, as the taller, more palatable grasses were grazed down, the windmillgrass was able to increase. Today, it is the dominant grass on many sandy ranges that have been heavily stocked for many years. It replaces sidecoats grama, blue grama, bluestems, tanglehead, cottontop and other palatable grasses much relished by livestock. Hooded windmillgrass,



Nash windmillgrass is one of the more productive of the windmillgrasses. It is found in warmer areas of the Southwest, generally where winter is more favorable.

Here's 2 convenient, low-cost ways to get FULL VALUE FROM SUMMER GRASS

MoorMan's Famous Complete Minerals—Made for Range Cattle in 2 forms

Good range grass is mighty good cow feed. But, you can make it better. When you supply the minerals it lacks—you increase its feeding value. Then watch the results in thrifter cows and better, stronger, heavier calves!

MoorMan's Minerals for Range Cattle is specially developed for cattle on the range—contains all the elements missing, or in short supply, in range grass. And, it is made in these 2 forms for your convenient, low-cost feeding:



1. Handy-to-Handle Blocks:

Convenient for range or feedlot. Economical. Ideal for "free choice" feeding.



2. Granular Minerals that "Stay Put":

Reduces waste from washing or blowing. Has "appetite appeal" to stimulate consumption.

You'll be surprised at its low cost, too... because it is so concentrated, it gives 3 cows *all* the minerals they are known to need for less than 1 cent a day. Just ask your MoorMan Man to help you select the mineral form most convenient for you, or write Moorman Mfg. Co., Dept. B-7, Quincy, Ill.

Special Minerals for Alkali Areas: MoorMan's Special Range Minerals is made specifically for animals in alkali areas. Contains a palatability agent to stimulate consumption.

Range Mintrate: To supplement range feeding with proteins, get Range Mintrate Cubes—mineralized and vitaminized protein concentrate. Developed especially for low-cost range feeding.

(Photo courtesy U. S. Soil Conservation Service)



MoorMan's

(Since 1885)

MAKERS OF PROTEIN AND MINERAL CONCENTRATES FARMERS AND RANCHERS NEED, BUT CANNOT RAISE OR PROCESS ON FARM OR RANCH

ANNOUNCING

ORTHO 1038 Screw Worm Control

Sheep and Cattle Ranchers
hail it as the
"MOST EFFECTIVE
ANSWER TO THE
SCREW WORM!"

"No wormies in 1500 head!"
Writes Word B. Sherrill, rancher and
former county agent:

"The worst problem that confronts the
sheep and goat raisers is screw worm. My
average losses have been about 10%."

"This year I tried ORTHO 1038 Screw
Worm Control with remarkable success. I
sheared about 2400 sheep and treated shear
cuts. Also 117 lambs which had been
docked and castrated."

Duke Bryson, rancher and dairyman, reports:

"On March 16 and 17 we dehorned 150
head of Bedford heifers from a year to 18
months old, to be used for breeding stock."

"We selected 70 of the most severe cases
for treatment with ORTHO 1038 Screw
Worm Control. 40 to 50 head of this group
had severe screw worm infestations. On
the 21st of March we started a systematic
treatment and observation of this group.
Two treatments were made 3 days apart
and the following two treatments a week
apart. One treatment period elapsed 11
days and two animals showed up 'wormy.'"

"We found but a single screw worm case
from wounds which had been treated with
ORTHO 1038 Screw Worm Control, and
that showed up two weeks after shearing
and treatment. Additional treatment re-
sulted in complete recovery."

"There were plenty screw worm around
because we picked up 4 cases in lambs that
were not treated. To me this was a con-
vincing demonstration of the effectiveness
of ORTHO 1038 Screw Worm Control."

With this exception we had no screw worm
after the first infestation and the heads
healed up quicker than I have ever ex-
perienced."

"The heifers gained weight beyond what
their normal rate of increases would be
with this type of wound. Screw worms were
present at all times during this treatment
period as we picked up several 'wormies'
in our sheep. For the first time in my
ranching experience this risky operation
has been simplified and I attribute this
success to ORTHO Screw Worm Control."

ORTHO 1038 Screw Worm Control is available
for experimental use during 1950

This clear amber fluid leaves no stain; goes
farther; does not deteriorate when left
standing in original container!

ORTHO 1038 has been tested with out-
standing success for three years on all
classes of livestock and on all types of
screw worm infested wounds, with specta-
cular results. Direct application to wound
causes screw worm to come out of wound
to die. Decaying of worms is prevented

and a clean, quick-healing wound results.

ORTHO 1038 Screw Worm Control special
pocket-size 4 oz. applicator bottle 80¢; also
pt. \$2.50; gal. \$12.30; 5 gal. \$60.00.

See your dealer today. Or send order,
write or telephone nearest office
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ORTHO 1038, U.S. PAT. OFF.



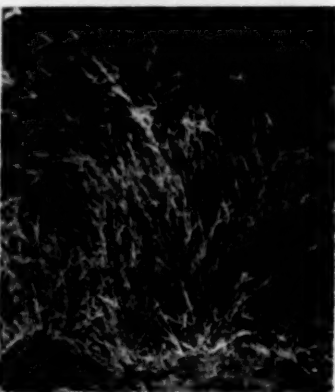
though it furnishes a good deal of graz-
ing while green and growing, is not as
high a producer nor as nutritious as
some of the grasses that it replaces. It
also loses much of its nutritive value
when it matures and dries out, not cur-
ring out to a good quality forage like
the grammas and some other grasses.

Hooded windmillgrass is a prolific
seeder. However, since blue grama, side-
coats grama and some other grasses are
more desirable, little reseeding has been
done with windmillgrass. As a rule, in
areas where it is adapted, sufficient
amounts are present, even on the most
depleted ranges, to reseed a pasture if it
is rested during the growing season.

Tumble windmillgrass is another na-
tive, perennial species that is found over
a large area of the range country. It
exists from Missouri and Colorado south-
ward to Texas and New Mexico. It is a
short species, spreading on the ground,
and sometimes rooting at the nodes. The
leaves are folded, the stems flat and the
foliage is bluish-green, resembling the
hooded windmillgrass. The seedhead has
a number of widely spreading branches,
which are two to five inches long. The
head breaks off when mature and rolls
before the wind; hence the name, "tum-
ble windmillgrass." The seed are much
smaller than in hooded windmillgrass, the
awns longer, and the bracts not cup-
shaped.

Tumble windmillgrass is found on de-
pleted ranges, disturbed areas such as
roadsides, along streams and on closely
grazed pastures in its adapted area. It
occupied a very minor role under origi-
nal conditions as the taller grasses were
able to crowd it out. Under close grazing
of the taller species, however, tumble
windmillgrass was able to increase and
invade areas where it was not originally
found. It grows very close to the ground
and livestock are not able to graze it low
enough to hurt it. It also is a meager
producer and loses most of its nutritive
value on maturing.

Nash windmillgrass is a species found
in central and southern Texas and Ariz-
ona. It closely resembles hooded wind-
millgrass but is taller, with longer
branches of the head and longer awns. It



Rhodesgrass is a member of the chloris
genus introduced from Africa. It is a
vigorous, quick-growing, high-producing
species that has been widely used for
pastures in southern Texas. It spreads
by means of stems that take root at the
nodes.

SAFeway answers
the question:

How much of the Food Dollar goes for SELLING?



When discussing the costs of food distribution, people sometimes assume that the whole of such costs, or a major part of them, are run up by retailing.

Charts which show the farmer's share of the food dollar spent by customers as 50¢—and label the other 50¢ as "distribution"—do not make it plain that retailing is just one of many costs paid out of the food dollar.

This 50¢ total cost called distribution also includes charges for storage and freight, for grading, cleaning, processing, packing and wholesaling.

Further, this 50¢ is an average for all farm crops. Actually the farmer's share varies widely between different crops, depending on the amount of processing and other services required. But on the basis of this "average" food dollar, let's look at Safeway costs...

Q What part of the food dollar is spent by Safeway to do the retailer job?

A Less than 14¢. Yes, to cover all our costs from the time we put farmers' products in our stores until we sell them to customers, it takes less than 14¢ out of every dollar spent in our stores. This 14¢ pays our day-to-day retail costs—such costs as wages, rents, taxes, displaying food attractively, and inviting the public with advertising to come and buy. This 14¢ also includes a profit for Safeway.

Q How much profit does Safeway earn?

A Safeway's profit in 1949 was 1⅓¢ per dollar of food sales at our stores. All our costs of doing a retail business, plus a profit, total less than 14¢.

Q Is this 14¢ out of each dollar of Safeway sales smaller than the average costs for these same functions?

A Yes, 14¢ is a considerably smaller than average retailing cost, because Safeway

handles and sells more food per store and per employee. Safeway's system is one of low cost distribution of food. The efficiency of this system allows Safeway to return to farmers both *more total dollars* and a *larger share of each food dollar*.



Q Is this 14¢ per dollar of sales more—or less—than Safeway has operated for in the past?

A Less. The part of the food dollar for which Safeway performs its services is lower now than it was 10 years ago. Of course, the dollar volume of our sales is larger now, due in part to increased food

prices. But our labor and other costs have climbed even more sharply, requiring us to seek constantly new ways to operate more efficiently. With total population and per capita food consumption both larger than in 1940... we can do our job today for a smaller share of more dollars from more customers.

• • •

The Safeway idea of selling more food per store and per employee isn't ours alone. We are in free competition with many stores working toward the same end.

It seems to us that is good for everybody—for farmer, customer and store man alike. We invite you to test our ideas of how a store should be run by doing your food shopping at Safeway, where almost one-fifth of all customers are farm families.



**SAFeway
STORES**



MINRALTONE HELPS BUILD CHAMPIONS

This appealing mother-and-daughter combination is typical of the healthy, productive cattle protected year round by MinRaltone feeding. They're typical of the fine Hereford herd at the Melton Hereford Ranch, Gainesville, Fla.

Melton Hereford Ranch Herd Protected Against **HIDDEN HUNGER***



Mr. A. E. Melton (shown at left) is the owner of noted Melton Hereford Ranch. It's an 830-acre ranch, with 160 head of polled and horned Herefords (half and half).

Mr. Melton says, "We've been feeding MinRaltone for 2½ years now, giving the herd free access to it. We have found that it helps mature animals maintain top condition — and this, of course, is fundamental to a good breeding program. MinRaltone is a big help to us in keeping our calf crop up."

What MinRaltone will do for one breed, it will do for all. Follow the lead of successful stockmen—feed MinRaltone regularly, year round. MinRaltone protects against Hidden Hunger* because it contains 11 essential mineral elements with Vitamin D. Write for free MinRaltone feeding booklet and complete details.

NEAR'S FOOD CO., INC. • BINGHAMTON, N.Y.

Plants in Binghamton, N.Y. — Ferryth, Ga.



***HIDDEN HUNGER** — Lack of essential mineral elements needed by livestock for sturdy health, rapid growth, peak production and reproduction.

NEAR'S
MINRALTONE

HEALTH • PRODUCTION • PROFITS



is very leafy at the base and sometimes roots at the nodes of the spreading stems. It is a good range grass in its adapted area, apparently being better than hooded windmillgrass.

Buryseed Chloris is a native perennial species found only in extreme southern Texas, close to the Rio Grande River, and in Mexico. It has widely spreading seed-heads, with branches three to five inches long. The seed units have awns about one-third inch long. The grass is peculiar in that it produces large underground seed units called "cleistogenes" that develop without fertilization. The species derives the name "buryseed" from the underground seed units.

Buryseed Chloris is quite common in northeastern Mexico where it is dominant on some ranges. It was observed recently by R. W. Allred of the Soil Conservation Service on many areas of northern Mexico where brush had been eradicated.

One annual species, showy chloris, is common in the Southwest from western Nebraska to Texas and California. It has been introduced into parts of the eastern states. It invades roadsides and cultivated fields, and has become a weed in many alfalfa fields.

Showy chloris has erect or spreading stems, light green color, with great seed-heads about two feet tall. The branches of the head do not spread out but are ascending and dense. The seed units are crowded and have a short awn and bear tufts of long hairs, thus producing a feathery, showy seedhead. The grass is of little value for grazing. It is one of the grasses sometimes called "foxtail" because of the bushy seedhead.

Rhodesgrass, a member of the chloris genus, was introduced into the United States from Africa about 1902. It was tried at many experiment stations along the Gulf Coast but it was not until the King Ranch in South Texas planted large areas that the grass got much attention.

(Continued on Page 46)



Trichloris, also called "cola de zorra" or "foxtail," is very similar to the Chloris grasses. The branches of the head here are close together and the awns on the seed make the head appear feathery. It is one of the better grasses in the warmer parts of Texas.



Cattle sprayed with or dipped in Humble Toxaphene are protected against all kinds of flies, ticks, mosquitoes and other insect pests for three weeks and longer.

This makes it the efficient, economical insecticide for Texas ranches: first

cost is modest, you save the expense of several sprayings and dippings each season, and your cattle make better gains because they're worked less often.

Humble Oil & Refining Company, Farm & Ranch Division, Houston, Texas.

Ask the Humble bulk agent
in your neighborhood about

HUMBLE

Follow the directions
on the can!

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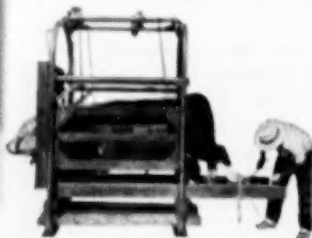
LIVESTOCK SPRAY AND DIP



For dehorning, hoof trimming, horn branding, tattooing, and all other work on stock where complete access to all parts of the body, feet and head is necessary, you can't beat a TECO Cattle Stock.

Patented triple-action dehorning gate holds the animal's head securely and safely . . . opens to allow the animal to leave through the front of the stock.

May be moved from place to place in a pickup truck or dismantled. They're ruggedly built to high TECO standards to give years of service.



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THOMPSON & GILL, Inc.

Madera, California

Please send me complete information on the following TECO ranch and feed lot equipment:

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| <input type="checkbox"/> Cattle Stock | <input type="checkbox"/> Fertilizer Loader |
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| <input type="checkbox"/> Calf Chute | <input type="checkbox"/> Feed Wagon Body |
| <input type="checkbox"/> Piers & Stockers | <input type="checkbox"/> Stock Trucks |

Name _____

Address _____

City _____

State _____

Mrs. Milton Gabriel of Gregory looks out over the fence that surrounds the remaining shell of the Rincon Ranch house. Mr. and Mrs. Clint Broughton of Gregory, who lived here for a time, tell of the square nails that were used in the building of the house.



The Rincon Ranch

By MARY STARR BARKLEY

DOWN near Gregory, Texas, on the side of the highway, is a lone, little house, all that remains of the renowned Rincon Ranch. Mexicans there interpret Rincon as meaning "corner", because that is where the old Rincon Ranch derived its name—its ranch house was located at the "corner" of Aransas and San Patricio Counties, over which the ranch was spread.

This ranch dates back to the era of colonies and the James McGloin-John McMullen grant for an Irish colony from the Mexican government. Many towns today in this area can trace their names to people connected with the Rincon Ranch. San Patricio County itself, home of the Irish colony, was named for their patron saint.

One of the oldest and largest in Texas, this ranch was part of the original Mexican land grant to these men in 1828.

In 1872, it became the property of Tom M. Coleman, T. H. Mathis, J. M. Mathis, and Col. Geo. W. Fulton, and was then the largest cattle ranch in Texas, covering 167,000 acres in three counties.

Their cowmen and cattle know the Chisholm Trail, but in 1878-79, a drouth of about a year and a half duration, killed many of their cattle, and in 1880 the company became the Coleman-Fulton Pasture Company. Incorporated, as a cattle company, its charter ran for half a century.

George Fulton, Jr., son of the colonel, was superintendent of this Rincon Ranch

and lived at the ranch house. Then, during more difficult days, Col. Fulton remembered an old college chum, David H. Sinton of Cincinnati, and in 1893, Sinton's son-in-law, Charles P. Taft, came to look over the Rincon Ranch. The outcome was a loan from Sinton of around \$100,000 and his acquiring 51 per cent of the stock. Eight thousand head of cattle were bought and a new era began for the Rincon.

It was in these years, from 1880 to 1900, that the Rincon Ranch became famous. Mr. and Mrs. George Fulton lived there, and not only enjoyed the place but were hospitable hosts. From Germany came their gardener, Fred Zimmerman, and the Rincon's roses were just part of the scenic spot. Mail came there by carrier on horseback.

The house pictured herewith is all that remains of the old ranch house—parts of it have been moved away. But once it was the center of its own world. The married cowmen had their houses, the single men had a two story bunk house and large dining room, houses for the Mexican help, a spot for the "bailes" (dances), a commissary, a meat market, company office, corral, and a schoolhouse for the children on the big ranch.

Many of these buildings were later moved to Taft and nearby towns. The cowboys' bunkhouse was moved to Taft and became part of the hotel. Today, only part of the ranch house stands.

In 1886 the railroad came to Corpus

Once a scenic swimming pool of the Rincon Ranch, today the water provides a tank for the cattle.



Christi—Colonel Fulton died in 1894—Tom Coleman sold out. Then, the Rincon became the property of Sinton and Taft, and later Taft acquired the stock and became owner.

From the Rincon Ranch he expanded his holdings and herd, established his home at La Quinta nearer the railroad and became famous in South Texas.

In November, 1909, President William H. Taft, half brother of Charles P. Taft, owner, visited the new headquarters at La Quinta, and spent a day at the Rincon Ranch house.

Here he saw how cattle were dipped, a rodeo with its calves and broncos and cowboys, and he was presented with a saddle. Also, he saw the first tractor used in South Texas, breaking the ground for the cultivation of cotton.

In 1930, the Coleman Fulton Pasture Company charter expired and the great Rincon Ranch was no more. All that remains of the once renowned ranch is a forlorn house, and the towns named Sinton and Mathis and Fulton and Taft, for the men who ran the Rincon.

Grand National Offers \$48,045 in Beef Show Premiums

WITH an all-time record in premiums of \$48,045 offered, and with the Cow Palace classic selected by one of the three big breed associations for its National Show and Sale, the Grand National Livestock Exposition will have the greatest beef show in its history in 1950.

This year's Grand National will be held in the San Francisco Cow Palace from October 27 to November 5, inclusive.

The American Aberdeen-Angus Breeders Association has selected the Grand National as the site for its official 1950 National Show and Sale. The \$25,425 in premiums available to the Blacks—\$15,000 for breeding cattle—represents the largest premiums in Aberdeen-Angus history. The National Sale will be held Thursday, November 2, beginning at 12 noon.

Of the \$15,000 in premiums for breeding classes, \$7,500 is being offered by the No. 1-A District Agricultural Association which sponsors the Grand National; \$5,000 by the American Aberdeen-Angus Breeders Association, and \$2,500 by the Pacific Coast Aberdeen-Angus Association.

With premiums available to Herefords set at \$21,455—\$10,000 for breeding cattle—and with a breeding cattle sale also scheduled, the usual heavy representation of white faced herds from all over the West is expected. The Hereford Breeding Cattle Sale will be held Wednesday, November 1, beginning at 10 a. m.

The premiums which Shorthorns may win this year total \$12,885—\$4,375 for breeding cattle—should bring to the Pacific Coast's premier exposition a fine representation of this popular breed.

It should be pointed out that the above totals constitute what each breed may win. Each total includes the \$5,860 in premiums which are open to competition by all breeds.

Closing dates for entries in the two breeding cattle sales will be August 15 for Aberdeen-Angus, and Sept. 11 for Herefords.

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MO-BONE contains more than 50% of the **HIGHEST QUALITY** special steamed bone meal . . . There is no substitute for bone meal as a bone builder. Feed free choice for **ECONOMICAL** usage. Your stock will readily eat all they need . . . no more, no less.

The NEW Marco MO-BONE Mineral Supplement is **now available at your feed dealers**. See him **TODAY** for this year's supply. If not in stock have him contact us at once. Don't miss the extra profits you get with **MARCO MO-BONE**.



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ANALYSIS—Over 50% **Best** feeding steamed Bone Meal, scientifically balanced quantities of Mineralized Salt and essential trace elements. Minimum guarantee: 6.7% phosphorus (all from bone meal), 15% calcium and traces of iron, iodine, manganese, copper, cobalt, special Marco Binder and other ingredients.

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Buy at the Bullseye!

Memories of Old Times With Cattle and Cattlemen

By GEORGE LIGHTFOOT

I LIKE to read Bob Beverly's accounts of old times in the cow lands. I worked for the JAL outfit when they moved 6,000 two-year-old steers to Miles City, Montana. We drove them to Dahlart and loaded them on cars there. As Bob Beverly says about Young Lee of Midland, he was one of the best cow hands I ever saw. I was working for J. T. McElroy on the old Jay Cross outfit at the time we had just got back from delivering 1,000 four-year-old steers to Portales, New Mexico. Our horses were pretty well worn out when we got back to the ranch but when we came into the north pasture we found three boys waiting there for us. They said McElroy had sent them up with some fresh horses from the 7D below Midland.

We had 2,000 two-year-old steers to gather to deliver to Bovina, Texas. Young Lee was one of the boys and he and I happened to drop in to gather them. Going down to the ranch he told me about the new horses. He said there were five bad ones in the bunch and two of the five were very tough. He said he would show them to me when we got down to the horse pasture and he did.

Rollie Conley of Lubbock was the boss and a good one, too. He most generally got out the horses. You told him which horse you wanted and he caught him. The next morning we drove this new bunch of 7D's in and Conley went to dragging them out. When he caught one, he would call a hand's name and that was his horse. The first one caught was a stocky line-back dun and Jim Bostie got him. The next one was a tall bay horse. These two horses were two of the bad ones. As he dragged the bay out, he said "Come and get it." I was standing by Ed Cott and I looked at Ed and I says "Who?" Ed says, "You," and so I went and got him. By that time Jim's horse had thrown him and run off with his saddle and I was wondering what would happen to me but I went ahead and saddled. I guess I wanted to put it off as long as possible so decided I wanted a drink. I tied my bridle reins to the end of my rope and, keeping the other end in my hand, went to the water keg for a drink. Within a few seconds that horse had pitched all of the beds around the wagon.

Joe Beal says, "Kid will ride him for \$5.00," and Conley says, "I will top him off for you if you want me to."

I told him that I had never put my saddle on one yet and wanted to try him out. So on I went, expecting to go about as quick as I got on but that horse treated me like we were old friends. I rode him the rest of the time until Young Lee and I went to the JAL's. He was a real cow horse and never did pitch any more.

When we got to the JAL's they had 150 HES and Circle Cross horses not broke to use with the trail herds. Spence Joel was boss and they wanted Jim Blackwell to take the first herd. Jim told them that he would go if they would let him take his own mount of horses and pick his own men. They agreed to that so Spence would go in and rope a horse and Jim would call the man he wanted to ride him. Buck Goldstein was the first man Jim called. Young Lee was next and I was third. I always thought that Young

Lee was the cause of that for there were lots of men there wanting jobs, and somebody had to know you and also know Spence or Jim or Chuncy Cowden to get in first.

Well, when we got to saddling the horses, the fun began. Buck's horse threw him and hurt him pretty bad. We carried him into the bunk house and while some of the boys tried to help him, the rest went back to work. We caught the horse with Buck's saddle on it and Ace Draper rode him 'til he would not pitch any more. He rode him with one boot off. You see he had a new pair of boots and one hurt his foot so he just rode with one boot. Ace was a fine rider. If he had a horse that he could not make pitch, he would trade him to some boy that had a bad one. Lots of funny things happened them days.

In Russel's picture, "A Bronc for Breakfast," we had one for dinner one day southeast of Monument, New Mexico. I had a little chunky gray horse that pitched every time I rode him. After dinner that day we were saddling up just west of the wagon and the cook's fire was just south of the wagon. One of the boys told me to turn the horse's head toward the pots and let him go. So I turned his head toward the pots and went in the saddle, and then it come off. The horse had his head down between his legs so he could not see where he was until his nose hit the hot ashes and he scattered fire, pots and beans and everything all over.

The cook cussed me until I got out of hearing and maybe you think I did not go away 'round him when I came in that night.

Blackleg

THE danger season for blackleg is here now, and cattle losses may be high unless herds are protected, livestock health authorities warn.

The disease strikes swiftly, with a high death rate, an American Foundation for Animal Health Bulletin explains.

Blackleg is caused by a spore-forming germ which can live for years in the soil. It may enter an animal's body through small cuts and punctures in the skin, or through grazing.

"Suspect blackleg," the bulletin urges, "if young cattle develop a high fever, lose appetite, become lame and show great depression."

"Typical swellings caused by the disease give off a crackling, tissue-paper feeling if they are touched."

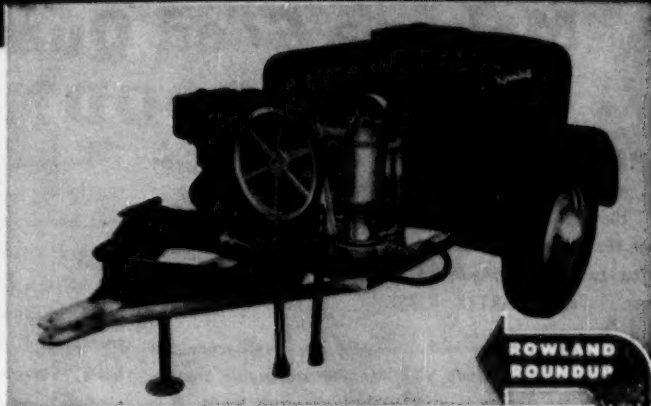
Since the disease is highly infectious among young cattle, and usually fatal, the Foundation urges owners to have a veterinarian check immediately if they suspect a blackleg outbreak in their herds.

"Prompt treatment may save some of the animals," the bulletin says, "although it is usually best to have calves vaccinated at about three months of age if blackleg losses have occurred before in the locality."

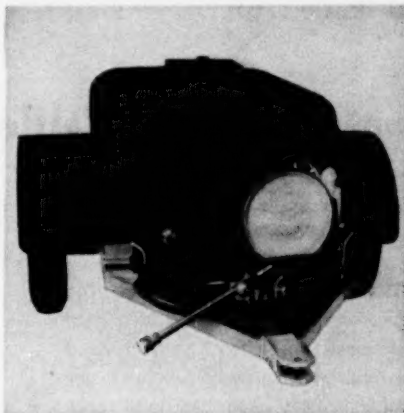
Also of great importance, the Foundation adds, is to burn or bury deeply under lime the carcasses of animals which have died. Otherwise, the carcass may be a potent source of infection.

On the basis of five readers per issue The Cattleman is read by more than 150,000 ranch folk. Reach this market by advertising in The Cattleman.

ROWLAND LIVESTOCK SPRAYERS



The Roundup model represents ready action. Its 6 H. P. air cooled motor handles a 7 gallon per minute Duplex pump at 400 to 500 pounds pressure without effort. The two 50 ft. hoses furnished with the Rowland Roundup are complete with Deluxe Trigger nozzles. They handle large herds with ease from the 150 gallon steel tank mounted on the strong car width frame with 600x16 tires. The tank is treated and equipped with mechanical agitator and screened intake. The Roundup, like the Spraymaster is an excellent fire fighter, car washer and covers all spraying needs.



Just as pictured, the Rowland Trailer Spraymaster comes complete. It is ready to go anywhere, over any roads, behind any vehicle. Its 4 H. P. air cooled engine provides surplus power at 400 to 500 pounds regulated pressure. The Duplex Plunger pump, at 4 gallons per minute, combined with the Deluxe Trigger nozzle, provides instantly powerful fog or stream spray. The 150 gallon treated steel tank with mechanical agitator and 10" screened intake is mounted on heavy steel frame with car width axle and 600x16 tires. The 50 ft. 800 lb. pressure hose is conveniently coiled on frame front.

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Look what we've built into our UTILITY SPRAYER! 3 gal./min. Duplex Plunger pump, driven by a 1½ h. p. Briggs and Stratton engine. It has a 75 gal. supply tank, from which leads a ¾" hi-pressure 50 foot hose with adjustable nozzle for fog or straight stream. All mounted on steel skids and priced \$250, f.o.b., Plainview, Texas.

You deal with us direct when you purchase a ROWLAND SPRAYER. That cuts your costs. We build dependable livestock sprayers, wheel or skid-mounted. See us for a direct, money-saving sale.

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WHAT Makes a Good Quarter Horse GOOD?

THIS question along with other very interesting subjects will be discussed at length by outstanding authorities in the twelfth annual Horse Issue of The Cattleman. This year the GREAT HORSE ISSUE of AMERICA will be dedicated to that distinguished breed of America's Western horse . . . the QUARTER HORSE.

The Quarter Horse with his speed, his intelligence, his stamina and utility along with his other admirable characteristics is the chosen horse of America's range lands. It is only fitting that the Horse Issue of The Cattleman, with its wide circulation in America's range land and its outstanding acceptance among the men who pioneered and developed the breed, be dedicated to the Quarter Horse. And by the same token it is only fitting that the men who breed Quarter Horses lend their support to the great issue that has done so much to promote interest in their horses.

Every good Quarter Horse Breeder wants to see the Quarter Horse continue in the respected position and public favor that prevail today throughout the range country with the cattle producers. The cattle industry is one industry wherein the horse is a fundamental and indispensable factor in the practical operation of day to day business. In the range country the Quarter Horse is held in high esteem as a using horse. The continuation of his prestige can best be accomplished through breeders' advertising in the GREAT HORSE ISSUE OF AMERICA.

The Cattleman is *THE* magazine that reaches ranch people . . . real ranch people who *USE* horses every day. Your own horses will find a wider, a greater demand if you will offer them to this economically sound, consuming, and continuing ranch market through The Cattleman Horse Issue.

What makes The Cattleman Horse Issue

Facts that make The Cattleman Horse Issue the GREAT HORSE ISSUE OF AMERICA:

PRESTIGE . . . In September, 1950, The Cattleman will publish its twelfth annual Horse Issue. These dozen years devoted to establishing the western horse in his rightfully highly respected position in the eyes of the general public have brought a range land prestige to The Cattleman Horse Issue enjoyed by no other publication.

COVERS . . . The beautiful, natural color pictures on the covers of The Cattleman

Horse Issue are unique in the field of livestock publications and place The Cattleman Horse Issue out in front in this respect.

CONTENT . . . The editorial and advertising content of The Cattleman Horse Issues has been predominantly of the western horse. The interesting editorial features about horses and the messages of horse breeders thus placed in the hands of the reader constitute a highly esteemed and desired package of horse literature and up-to-date breeder information not even approached by any other publication.



.... THE HORSE ISSUE of AMERICA?

SIZE . . . For the past three years The Cattleman Horse Issue has had 240 or more pages. Such a large volume as this devoted to the western horse certainly places this publication in a class by itself and brings credit to the western horse and the men who breed western horses.

CIRCULATION . . . The Cattleman Horse Issue is delivered to nearly 30,000 subscribers, which means by conservative estimate over 100,000 readers. These black and white figures alone are very impressive, but the thing that is really significant about The Cattleman circulation is the **KIND** of folks that **ARE** the 30,000 subscribers and the 100,000 readers. They constitute a financially able group of **BUYERS** of horses, because they are **USERS** of horses. This large group includes practically all major Quarter Horse Breeders.

ADVANTAGES TO ADVERTISERS . . . The advantages to advertisers of horses in The Cattleman Horse Issue may be described briefly as the sum total of **ALL** of the facts that make this issue **THE GREAT HORSE ISSUE OF AMERICA**. The advertiser's message about his own horses in this highly regarded publication is presented along with other breeders' ads in a volume that readers **READ!** They **KEEP** it, and they **REFER BACK** to it throughout the years. In this way the active life of an ad in this issue is prolonged many, many months.

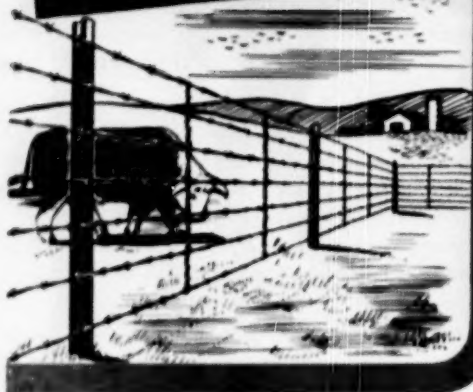


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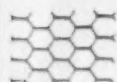
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Clinton Welded
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Colorado Lab-Twist
Poultry Netting



CF&I Baling Wire



Colorado Silvertip
Fence Posts



The Atomic Ranch at Oak Ridge

(Continued from Page 20)

These elements, such as cobalt, carbon, aluminum, nickel, copper, manganese, etc., then emanate rays of their own, which, when injected in dead or living substances, can be traced every inch of the way by sensitive "ray detectors" known as Geiger Counters.

Thus, the entire cattle project shaped up as a scientific "natural" with the Alamogordo cattle transplanted to a range on a spot near the very "atomic furnace" or uranium pile that had produced the material for the bomb. Further this "natural" utilized the services of a scientist who had already applied the pre-war atom to animal husbandry, and all coordinated by a university with one of the best agricultural colleges in the southeast.

The stage was set! The next problem was facilities. Nerve-center of the project, located barely a half-hour's drive from the gigantic atomic plants themselves, was an attractive, red-brick grammar school that was taken over and completely remodeled. The building now contains highly specialized laboratories to carry out experiments on animals ranging in size from mice to cattle.

These laboratories include a biological lab for use in studies in sperm physiology as well as other biological investigations. All manner of radioactive elements are being traced through various types of animal systems. . . . Then there is a Geiger Counter room where the intensities of atomic radiations can be measured. There is also a tissue dissection room, as well as a special room for the posting or slaughtering of large animals. In addition, a basement room, which was previously a cafeteria, is being set up as a small animal colony.

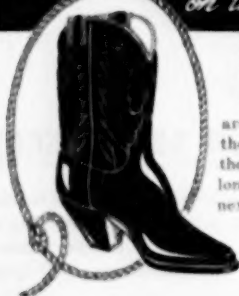
Additional construction will include an addition to the school building to provide for a complete chemical laboratory, a darkroom, a biochemical laboratory and an instrument room. A large nutrition barn is under way which will be quite large and will include two rooms especially equipped for the handling of high-level intensities of radioactivity.

Future of Atomic Cattle?

As history the story of the atomic cattle is interesting. But what of their future? What does it portend for science and for man? First, the entire project started out with the sole purpose in mind of studying only the animals actually "exposed" to the original atomic radiation at Alamogordo. Later, however, the idea of the program changed completely. It was to be handled on a much broader scale. In addition to the original herd, Polled Herefords from South Carolina were purchased. These will be fed the radioactive tracer elements. Recent indications are that the atom-bombed cattle will not receive any such injections, but will be allowed to live out their normal lives, with the exception of a few which have been already slaughtered just recently for special autopsies.

One experiment recently completed involved the giving of radioactive phosphorus or P-32 to a normal steer calf from among the Polled Herefords. However, it will be a while before this information can be made public due to the fact that professional ethics require such findings to be published first in accepted scientific journals. And to complicate the matter still further there are the

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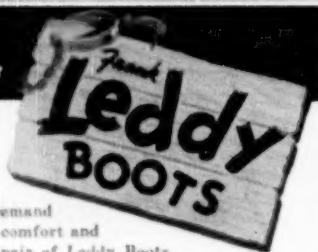
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stringent security regulations of the Atomic Energy Commission.

According to Dr. Comar, the P-32 experiment may be "run" on as many as thirty or forty of the Polled Herefords during the next two years. The purpose of these experiments is to ascertain exactly what happens to various nutritionally important elements once inside the animal's digestive system.

Other interesting projects just getting under way include: (1) Several of the "bombed" steers are being slaughtered. Autopsies and tissue studies are being conducted. Samples of tissue are carefully measured with Geiger Counters to see if any of the radioactivity induced by the 1945 blast still remains. Should there be any radioactivity an attempt will be made to evaluate the possible health hazard that would result from human consumption of the meat from such animals. Such information would be extremely valuable in determining how the public could be safely fed in the event of large-scale atomic hostilities.

(2) Another project under way seeks to determine the behavior of calcium in cattle through the use of radioactive calcium obtained from the Oak Ridge pile. Rats are the initial subjects for this experiment. The Polled Herefords will be used later. It is possible, for example, to follow radioactive calcium atoms from the pregnant female to the fetus and determine exactly how this exchange takes place.

Such an experiment will be of incalculable value to the cattle raiser for investigators will reveal where the calcium goes and the relative value of calcium sources tested. Dairy men and nutrition-

Not on their way to any market in particular, these members of the Alamogordo herd show noticeable signs of the effects of the atomic radiation blast. Notice grayish streaks on their backs.



ists will profit greatly from this data in learning new facts on feeding.

The manner in which the radioactive calcium is fed to the cattle subjects is interesting. An animal is injected with a

dose of the radio calcium in a solution. After a certain period of time sufficient to allow the substance to penetrate throughout the animal's skeletal structure, the animal is slaughtered. Its bones

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are then processed into a "meal" containing a high content of radio-calcium. This is then fed to other animals and by so doing it is possible to "trace" the "meal" through their systems with the aid of highly sensitive Geiger Counters.

(3) A third project concerns the effect of atomic radiation on bull semen, as there is evidence and proof in many cases, that extremely high radiation levels cause sterility. This is even true in humans to a high degree. These studies will be made on (a) "bulls" exposed to the New Mexico bombing, and (b) young and mature males from among the Polled Herefords which have been artificially exposed to varying levels and types of concentrated irradiation.

For these experiments radioactive phosphorus plaques (P-32) are being utilized as an external source of atomic irradiation. Actually, the entire male organ of the bull can be irradiated by using the highly penetrating gamma rays from radioactive tantalum and cobalt. (Tantalum is a useful element in the manufacture of electric light filaments.) Semen for these studies is collected by means of an artificial vagina. The semen is measured for volume, concentration, motility and resistance to cold shock.

Selected females will be irradiated at different levels of intensity, thus permitting scientists to observe its effects on gestation, oestrous cycle, and reproductive performance. During these experiments complete weight, reproductive and blood records are maintained on all animals used. Periodic tissue studies are made with special attention being given the occurrence of late or "after" effects.

Much will be learned for a possible

"breeding program" as a result of many of these experiments applying radiation to reproductive organs. The danger of mutations will also be studied. For the sake of saving words "mutations" are freak species; calves born with five legs, no eyes or lack of eye sockets, fused ribs, etc. Equally disastrous would be the onset of complete sterility as a result of atomic exposure. To date, nothing like this has happened with the "bombed" cattle, many of which are already grandparents.

However, it may take still another generation or two before any damaged genes would show its effects. And with the shadow of an atomic attack, the obtaining of facts such as these, gives pause to think again before possibly tampering with the future development of the entire human race by entering into large-scale atomic warfare.

What Happens to Trace Elements?

So much for the immediate or short-range program. Let us now look ahead to 1960 and 1965 and see what kind of "long range" plans these investigators have up their sleeves.

The "exposed" cattle are included in the long-range program, aside from the steers, some of which have already been slaughtered. The remainder of the atomic herd will be observed over their entire life's span. Breeding records will be continued with emphasis on the search for the appearance of any abnormalities.

Another long-range project seeks the answer to the riddle of what happens to "trace" elements once inside an animal's system. A "trace" element is not to be confused with a "tracer." But oddly enough a "trace" element can be traced

with a tracer. Confusing. First it is necessary to explain that the substances necessary for animal health can be classified according to their main functions. The major dietary essentials such as fats, carbohydrates and proteins are required in large amounts and serve to supply energy for body activities and structural materials for growth and upkeep of tissues.

Now "trace" means an entirely small amount of an element. Calcium and phosphorus are not considered "trace" elements as they are required in large amounts primarily for structural purposes. However, no matter how small the amount of the "trace" element it may be absolutely necessary to the animal's systems. Such "trace" elements are traced through the use of identical radioactive tracers made in the nearby Oak Ridge atomic furnace.

There are two good reasons why observations on farm animals have been and are very important in bringing to light trace element imbalances. First, livestock are often restricted to forage within a relatively small area which increases the chance of the development of disease symptoms should the area happen to be deficient in any one or more of the necessary "trace" elements. The other point, according to Dr. Comar, is that ruminants, as a result of their peculiar digestive processes, have been observed to require a higher level of certain trace elements than do other species.

Trace elements are cobalt, manganese, copper. There are many others, but these three will serve as immediate examples. Dr. Comar, incidentally, has already done much work along these lines at the University of Florida.

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Breeders, feeders and producers of Champions like this "swear by" DR. ROGERS' PRODUCTS . . . so you know this "Champion" Veterinary line is the *right* choice, the *wise* choice, the *economical* choice for all livestock.

Extension services predict a bad Screw-Worm Year . . . but . . . Dr. Rogers' Customers aren't worried. They're ready for battle with DR. ROGERS' SCREW WORM SMEAR NO. 215. They know No. 215 *lessens* the outbreak of "Big Joint" because it does not form a hard, dry scab. Besides . . . Dr. Rogers' Customers are sold on the new 8-ounce bottle that's specially made to carry in hip pocket or saddle pocket.

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Cobalt was recognized about fifteen years ago as a dietary essential for ruminants. Areas now known to be "cobalt-deficient" with livestock diseases directly traceable to such a deficiency have been reported in Florida, Michigan, Massachusetts, Wisconsin, New Hampshire, and North Carolina.

Dr. Comar and his associates found that cobalt administered intravenously (into the vein) is much less efficiently distributed than when orally administered (by mouth). This was ascertained by injecting radioactive cobalt into the animal's system.

The first symptom of cobalt deficiency is loss of appetite. Animals literally starve to death though surrounded by a luxuriant growth of pasture. But the difficulty has been that the normal levels of cobalt in the blood and tissues are so small that chemical analysis is inadequate to diagnose the condition. Here again, the radioactive cobalt atoms can be traced directly through the animal's system giving positive evidence of where it goes or does not go.

Manganese is another trace element essential to animal health. It aids lactation and in experiments already conducted with rats it has been shown that this element prevents atrophy and degeneration of the testes. Deficiency of manganese has been reported as contributing to the lack of skeletal development in rabbits. Lameness in pigs deficient in this element has been reported. A decrease in bone length, density and breaking strength has been observed in first generation rats fed on a low manganese diet. Still another important finding in earlier investigations is that lactating

cows retain about 153 milligrams of manganese daily regardless of the quantity of the element injected or taken into the stomach. The amount of the manganese excreted in the feces was found to be directly proportional to the amount of manganese taken into the stomach!

Copper reminds us of wires that conduct electricity into our homes. Yet, the necessity of copper as an element with a definite function in an animal's body has been recognized since the early 1920's. The copper requirement for the adult human has been placed at one to two milligrams per day. Evidence seems to indicate that ruminants are somewhat more sensitive to a copper deficiency than are the single-stomached species. Copper deficiency symptoms in cattle are anemia, severe diarrhea, cessation of growth, depigmentation of hair, poor reproduction, and abnormalities in bone development. The amazing fact is that apparent copper deficiencies have been reported on pastures well supplied with copper, which would indicate possible poor utilization of copper by animals.

So far only a deficiency of certain "trace" elements has been discussed, but nothing has been said of the harmful effects of an over-supply of certain other elements. In 1938, it was discovered that naturally-occurring molybdenum in certain British pastures was responsible for severe disease among cattle and sheep. Potentially poisonous levels of this element have since been reported in parts of Florida and California. A most satisfactory feature of the molybdenum problem has been the finding that supplemental copper will adequately offset the condition. Oddly enough, the symptoms of an over-supply of molybdenum

are quite similar to those indicative of a copper deficiency!

It is generally conceded that fluorine is of great importance in tooth and skeletal development. However, the possibility of fluorine contamination of grazing areas in the vicinity of certain types of industrial plants represents an increasingly serious problem. The purpose of the fluorine "project" at the "atomic ranch" is to investigate the means by which fluorine exerts its effect on the animal. It is expected that the information will reveal the value also of such elements as iodine, phosphorus, calcium and iron in bone mineralization.

The unlimited possibilities of this project are just beginning to unfold. Like the thousand tales of the Arabian Nights, the endless experiments in progress and planned could go on and on. What started with a blinding flash and a deafening roar on a mesa in New Mexico in the Year of Our Lord 1945 has broadened into a gigantic agricultural-atomic project unduplicated anywhere in the world. The ripples of this mighty splash are already broadening and showing great promise of offsetting the dreaded atomic bomb a thousand-fold.

Need Copy of February 1947 Issue

The West Texas State College Library, Canyon, Texas, is anxious to obtain a copy of *The Cattleman* for February, 1947, to complete its files. This is one of the few issues of *The Cattleman* of which our supply has become exhausted.

The Cattleman — Subscription rates: One year, \$2; three years, \$5; five years, \$8; foreign, one year, \$4.



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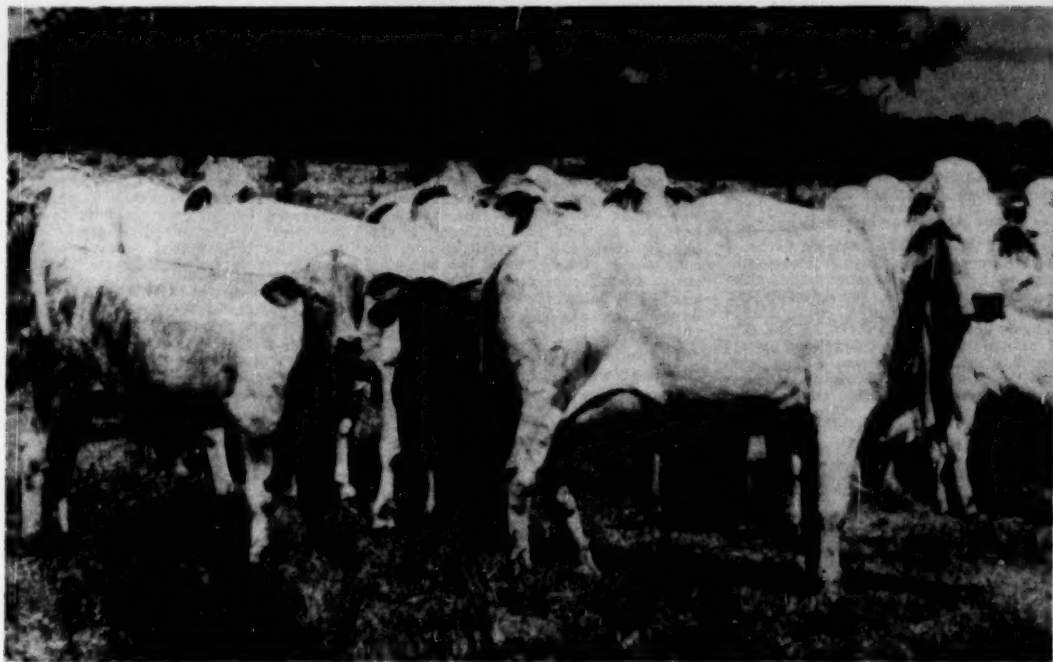
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The Brahman Cattle in the Crossbreeding Program

(Continued from Page 17)

That is typical of nearly all of the more intelligent animals we have to deal with. The Brahman have good dispositions despite their rodeo-acquired reputations. It should be remembered that rodeos and general bad treatment make outlaws of otherwise good horses, too.

Some Attributes of the Breed

One of the greatest points in favor of the Brahman, especially in the Southwest, is their apparent immunity to ticks and for that matter, nearly all other insect pests which plague cattle. Cattle ticks do not appear to thrive on the skin of animals which are capable of sweating. Brahman have sweat glands, and, like the horse, they have a muscular membrane under the skin which enables

them to move their hide at any point and dislodge flying insects. Both the sweat glands and the muscle layer are passed on to cattle carrying as little as one-fourth Brahman blood. In fact, the integument of the Brahman seems to be dominant over that of English cattle, as shown by the fact that they pass on their type of skin, hair, and horns to the crosses. Having sweat glands in the hide also serves the Brahman in another and perhaps even more important way—their ability to withstand intense heat due to their efficient cooling system. By being able to sweat all over the body, the Brahman's blood can be cooled over a much larger surface. These cattle, due to this more efficient cooling system, have an average basal temperature of 101 degrees.

The ability of the Brahman to put on beef is shown by the fact that Brahman blood carries with it the ability to put on

a high proportion of edible meat and has a small portion of bone. The breed is also known for its rapid growth. Brahman are good in weight for age. Their crosses have some phenomenal records along this line because of their added hybrid vigor, which will be discussed later. Along with this ability to put on great weight for age, these cattle are excellent feeders, as are their crosses.

Regular breeders at ages from 18 to 20 years are not uncommon in purebred Brahman herds. This accounts for low turnover in the breeding stock. Good cows can be expected to drop a large number of calves within their life span.

Use in Crossbreeding

The results of crossbreeding Brahman cattle with English breeds have been exceptionally good. There is no great mystery about the reason for these good results, since they are due to hybrid vigor or heterosis. The main idea behind this genetic phenomenon is that when two unrelated strains or species are mated, the offspring will be large, strong, and vigorous. Maximum hybrid vigor is obtained when two unrelated species of the purest breeding possible, each possessing characteristics desired in the offspring, are crossed. Purebred Brahman cattle, in addition to being used for crossing for hybrid vigor, are being used to grade up commercial herds, and have been used in the formation or parent stock of at least three new breeds established expressly for western range conditions.

The production of hybrids with their corresponding vigor should not be a source of worry to the purebred breeders of English cattle or Brahman, because



A Beefmaster bull.

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only by using pure strains in the cross does one get the best hybrid calves. Work in both Texas and Louisiana seems to show that greater vigor is had when the Brahman blood is on the side of the dam; thus, when crossbreeding for slaughter calf production, English breed sires should be used on cows carrying Brahman blood.

A brief look into the development of the newer breeds will show the type of progress that can and is being made with Brahman crosses.

Santa Gertrudis cattle were developed on the King Ranch by Robert J. Kleberg, Jr. In 1920, he began crossing seven-eighths Brahman bulls on purebred Shorthorn cows, and selected for beef type and red color. However, he did not sacrifice type or conformation for color. After selecting the best red heifers and bulls for a number of years and breeding the best unrelated individuals to each other, a very good bull was obtained. This bull, named "Monkey," became the foundation sire of the Santa Gertrudis breed. These cattle are approximately three-eighths Brahman and five-eighths Shorthorn. They are a dark cherry red in color and have a great deal of scale and constitution. They are heavy boned and have long, deep bodies. In developing the breed, Mr. Kleberg used sons and grandsons of Monkey on first cross heifers and on double crossed heifers. Double crossed heifers were the result of mating first cross bulls on first cross heifers. Once this herd was established as uniform, inbreeding and line breeding was practiced until the present cattle were developed.

Beefmaster cattle have been developed on the Lasater Ranch at Falfurrias, Texas, by Tom Lasater. The announced goal of Tom Lasater's Beefmaster breeding is, "to attain the greatest animal production per unit of grass or feed consumed and labor expended." The 1947 calf crop at the Lasater Ranch had an average weight at eight months of 631 pounds for bulls (2.6 pounds per day) and 566 pounds (2.3 pounds per day) for heifers. These gains were made on the range with no creep or supplemental feeding. How is this being accomplished?

In 1908, the Lasater Ranch began crossbreeding with Brahman cattle. Their crossbreeding program with the three-way Hereford X Shorthorn X Brahman matings has been carried on for forty years with the emphasis being on selection for animals which will produce a choice, quick maturing, heavy calf at eight months of age under range conditions with no supplemental feeding. However, red is the dominant color of these cattle. Non-essential characteristics such as fancy points of color are disregarded in selection. Only six essential points are selected for, and they are:

1. *fertility*—"They must reproduce consistently";
2. *weight*—"They must be heavy for age and have their weight where the packer wants it";
3. *conformation*—"They must have conformation which gives a high dressing per cent and a high grade on the hook";
4. *thriftness*—"They must maintain a healthy, vigorous body under range conditions and without assistance by man";
5. *milkng qualities*—"The cow must suckle her calf for eight months or longer and maintain her own body conditions in order that she will be capable of repeating this undertaking year after year";
6. *disposition*—"They must have a gentle disposition and must be easy to handle."

Registered Brahman Auction Sale

Thurs., 1 p. m.

Aug. 31, 1950



25 BULLS

55 FEMALES

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Give your herd the best . . . give them the blood of our two great proven herd sires!

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Whenever possible selection is based on progeny testing on the above points alone. If an animal does not prove up to any of the above mentioned points of selection, Mr. Lasater drops that cow or bull from the herd.

There are no exact pedigrees kept on these cattle because they are all range bred. The blood percentages run about one-half Brahman, one-quarter Hereford, and one-quarter Shorthorn. These cattle adapt themselves well to any climatic conditions. In 1947, Mr. Lasater placed one demonstration herd in Mason County, Texas. This area has a higher precipitation and is somewhat cooler than the home ranch. The elevation is approximately 1,500 feet. They continued to produce heavy high-quality calves without supplemental feeding. In 1948, another demonstration herd was sent to Chanute, Kansas. These animals weathered 23 degree below zero in open lots with no shelter and had no ill effects. In 1949, 300 animals consisting of yearling bulls, cows, heifers, and calves were taken to Masterson, Colorado. Calves started to drop in March and by the middle of May, a 75 per cent calf crop was obtained, which will most likely increase to 80 per cent. All of the original stock brought to Colorado is still living. In other recent tests, conducted jointly by Texas A. & M. and the U. S. Department of Agriculture at the Madera Valley Experiment Station, Balmorhea, Texas, a group of six Beefmasters made an average daily gain of 2.50 pounds during the 143 days of the tests. One Beefmaster calf, Don Madero, weighed in at 678 pounds at an approximate age of 10 months. One hundred and forty-three days later he weighed 1,112 pounds and made an average daily gain of 3.03 pounds. The two highest gaining groups in the test both represented new breeds carrying Brahman blood—the Beefmaster and Santa Gertrudis.

Brangus cattle have been developed on the Clear Creek Ranch at Welch, Oklahoma, by Frank Buttram and Raymond Pope. A similar strain was developed by the U. S. Department of Agriculture at its Iberia Livestock Experimental Farm. The Brangus cattle have the same percentage of Brahman and English blood as do Santa Gertrudis cattle. In producing Brangus, the Brahman is crossed both ways (Brahman bulls X Angus cows and Angus bulls X Brahman cows) with Angus to get the half breeds. These half breeds are then bred back to Angus bulls giving quarter-bred calves which are then bred to half breeds of unrelated families producing the three-eighths Brahman and five-eighths Angus cattle. As in the other crosses discussed, the Brangus show tremendous ability to put on weight for age with two-year-old bulls weighing around 2,000 pounds. To produce these big, hardy, polled cattle, the Clear Creek Ranch selected its cow herd from the best Midwestern and Canadian Aberdeen-Angus herds. The cows, Mr. Pope assures us, were selected for size, depth, fleshing qualities, and size of bone, and they are definitely not of the "pony type." The Brahman bull battery was and is of the finest that can be found in this country today and is headed by services of such outstanding J. D. Hudgins bulls as Manimosa Manno, Riccerato Manno, and Typee Manno. These bulls could not be purchased from the Hudgins estate, so selected Angus cows were sent there for service. The

price was great, but the breeding results were excellent and well worth it.

That Brahman cattle and their crosses have a place in the Southwest cannot be denied. They have added vigor, resistance, and weight to the cattle of that area, and their increase in numbers shows that Southwestern cattlemen see in these cattle a profitable way to market their grass and forage. The Brahman should not be judged by the poor representatives of the breed found in zoos, circuses, and rodeos but on their ability to improve the rangeability, weight, forage, vigor, and resistance to adverse climatic conditions and diseases, and to give high dressing percentages and better carcass quality to cattle under range conditions.

Registering and Transferring Brahman

(Continued from Page 23)

to be sent after transfer is properly recorded in Association office.

Transfer of Cow with Calf at Side

If transfer is of a cow with calf at side, the calf should be registered by the owner of the dam when calf was born, and a separate transfer submitted for the calf.

If, however, the calf is too young to be branded, and consequently cannot be immediately registered, then it must be tattooed for identification and the first owner must supply the purchaser with an Application for Registration and Transfer together with the Application for Transfer of the dam.

The Application for Transfer of the

dam should be submitted to the Association immediately, but that of the unbranded calf must be retained by the purchaser until properly branded with both a holding brand and a private herd number. When the calf has been branded, then the present owner should submit Applications for Registration and Transfer, together with a statement that the subject animal has been branded in accordance with description shown on Application for Registration.

The Association Only Is Authorized to Insert Transfer Data on Back of Registration Certificate

When all requirements for transfer

are fulfilled, the Association office will record the transfer on the back of the Certificate of Registration, showing date of delivery and name and address of purchaser. The Certificate of Registration with properly recorded transfer data, will then be returned to the seller or purchaser as directed. (Illustration 4 shows back of Certificate of Registration with transfer information.)

Am enclosing a check for \$8.00 for a 5-year renewal to your most interesting publication. I am looking forward to five more years of pleasant reading.—M. J. Flickinger, 1017 Woods Avenue, Lancaster, Pa.

Brahman cows and calves at water hole on Ed Porath Farm, Salem, Mich.



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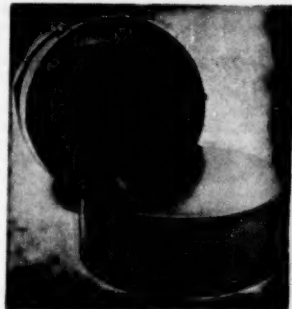
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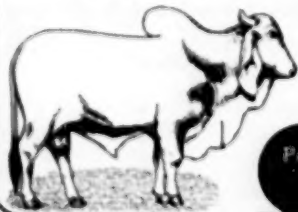
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Range Grasses

(Continued from Page 28)

Livestock were slow to eat it but the grass was found to be quick-growing, vigorous, high-producing and well worth using. Recently a scale insect invaded Rhodesgrass pastures of southern Texas and damaged much of it. As a result it has become less widely used. Observation shows that the grass is damaged much more when excessively grazed.

Rhodesgrass is suited only to the southern part of the country, temperatures of 20 degrees Fahrenheit often killing it. Some selections have been made by the Soil Conservation Service in an attempt to obtain more winter-hardy strains. Rhodesgrass seems adapted to areas having rainfall over 25 inches. It thrives best on deep, fertile, loam soils. It has been successfully irrigated in the lower Rio Grande Valley, and elsewhere where less than 25 inches rainfall occurs. An irrigated planting in 1949 near Pecos, Texas, survived the mild winter of 1949-50 and is still doing well. Earlier plantings near the same place were frozen in the severe winter of 1948-49.

Rhodesgrass has many branches of the head which are ascending or spreading, somewhat like a windmill. The plants grow three to four feet tall, with erect seed stems. The plants also produce long, rapid-growing, tough, somewhat flattened runners that root at the nodes. The runners enable the grass to spread rapidly, which is one of its good points. Rhodesgrass is also a vigorous seeder and seed can be harvested easily. Best harvesting results seem to be obtained when the grass is cut with the grain binder and shocked for about two weeks. Some seed crops have been harvested with combines.

Rhodesgrass should be planted in rows, on firm, well-prepared seedbeds. It does not do well on rangeland where it has to compete with native vegetation. It is best to make shallow plantings, preferably one-fourth inch deep. Best results are obtained in spring seedings. Mature hay has been cut and spread over areas to be reseeded with good results.

Rhodesgrass has been found in California and southern Texas to be one of the grasses most tolerant of salt accumulations. It has great possibilities for use in reclaiming and revegetating saline areas in its adapted climatic range.

Trichloris grasses resemble many of the chloris grasses in flowering habits and sometimes are mistaken for them. The branches of trichloris grasses ascend, rather than spread, and the stems are not flattened as with most of the windmillgrasses. The principal difference is that the trichloris has three awns on each seed, whereas the windmillgrass has only one.

There are two species of the trichloris grasses native to the United States. Both are perennials. They are much alike in appearance. Two-flower trichloris has long awns, and the head is feathery-appearing, giving rise to the Spanish name, "cola de zorra" or "foxtail." Compared with two-flower trichloris, four-flower trichloris has shorter awns, the head is not so feathery-looking, and the blades are about twice as wide, up to one-third inch. The plants are about three feet high, with erect, leafy seed stems.

The trichloris grasses are found in southwestern Texas and northern Mexico; and two-flower trichloris is found as far west as Arizona. The latter is

also sometimes cultivated for ornament because of the feathery, showy heads.

The trichloris species seem to be adapted to loamy and heavy clay soils. Livestock readily graze the plants when they are green but less so when the plants are mature. They are high-producing grasses well adapted to the warm climates of the Southwest. Along the Pecos River in Texas, some trichloris is found in the river bottoms and along irrigation canal banks, and here the livestock seem to take the grass less readily when other forage is available.

Little attempt, if any, has been made to reseed this grass. There is a possibility that good results could be obtained in the warm Southwest, and seeding should be tried. The Soil Conservation Service recently gathered a small amount of seed to make a few trial plantings in soil conservation districts.

Montana Stockgrowers Meet in Billings

C. K. WARREN, Deer Lodge, was elected president of the Montana Stockgrowers Association at the concluding session of the 66th annual convention held in Billings May 27. Warren, retiring first vice-president, succeeds M. C. Simpson, Volberg. G. R. Milburn, Grassrange, was elected first vice-president; Dan Fulton, Ismay, second vice-president; and E. A. Phillips, Helena, was reelected secretary.

Fifteen resolutions proposed by the resolutions committee were approved without change. Among them were sev-

eral criticizing the government's activity affecting stockmen.

The Brannan plan was condemned as "unsound economically and entirely impractical."

The resolution on reclamation funds urged a sharp reduction "until such time as the national economy needs greater food supply and the national employment situation is in need of additional jobs."

The association urged the state legislatures "to give full consideration to the requests for funds for maintenance and operation of the livestock sanitary board and the veterinary laboratory."

The state livestock sanitary board was requested to change its regulations "to

provide that all range and semi-range breeding cattle moving through public sales yards for breeding purposes shall be tested for brucellosis."

Congress was asked to reject section 117-J of the internal revenue code "as to nullify the several court decisions which have held that sales of breeding stock are sales of capital assets and profits resulting therefrom are eligible to treatment as capital gains."

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South Texas Zebu Cattle Ranch Tour

MORE than 200 cattlemen representing several southern and western states, as well as Cuba and Mexico participated in one of the most interesting ranch tours ever held in South Texas June 9. The tour was sponsored by the Pan American Zebu Association, and included visits to numerous La Salle County ranches on which purebred Zebu cattle are produced. The Zebu Association concluded its Board of Directors' Meeting held in San Antonio June 8, in order that the attendance at the meeting could be conducted on the ranch visits.

The tour was primarily conducted for the purpose of continuing studies relative to the selection of cattle for entry into the herd registry maintained by the Zebu Association, and numerous discussions concerning the selection of the top quality Zebu cattle highlighted the tour. The first, and one of the outstanding stops on the trip, was made at the Hogue Poole Ranch located 15 miles northeast of Cotulla. A cow camp breakfast served under sprawling mesquite trees, and surrounded by several groups of outstanding Zebu cattle created a receptive atmosphere for the exhibits that were at hand. Some of the Poole Ranch Zebu cattle represent the ultimate in factors of good type, size, and growth—features for which Indu-Brasil Zebu cattle are noted. One group of two year old bulls, sired by Gaucho, Precioso, and Jacaranda, all imported Brazilian herd sires, appeared to be in a weight class between 1200-1400 pounds while strictly in range

condition. Mr. Poole also showed the group some Charollais and Charollais crossbred cattle which have been produced through the mating of Charollais bulls to outstanding purebred Brahman cows.

From the Poole Ranch, the caravan comprised of more than 50 automobiles, proceeded southward on U. S. Highway 81 and thence westward to the Otis Cox Ranch, where the visitors viewed several pens of outstanding Zebu cattle which also carried a very impressive size and which were in excellent condition. These cattle also were strictly range cattle, and the group was very favorably impressed with the very outstanding features, conformation, and breeding qualities. The Cox Ranch, which also has become noted for its production of luscious melons, treated the entire group with iced water-melons that were very well received during the mid-morning hours when the temperatures were rapidly rising toward the 90 degree mark. Just west of the Cox Ranch, the group was conducted through several pastures where they inspected a number of cattle herds of Zebus belonging to the Light Ranch. On the Light Ranch, the number of crossbreeding operations were inspected, some in which Angus, Hereford, and Shorthorn sires had been used on purebred Brahman cows. The number of animals in the vast acreage viewed on the Light Ranch left a vivid impression with the inspection party, and to many it represented a general trend that has been prevalent throughout South Texas for a

good number of years, wherein many cattle ranches have converted to purebred Zebu cattle.

From the Light Ranch the tour reversed its direction and proceeded to the country home of J. W. Martin, Jr., where they were treated to a Dutch lunch, through the courtesy of the La Salle County Zebu Breeders Association. The luncheon was served in a mesquite grove, and it appeared that a show animal was tied under every bush. Among the animals viewed at the Martin place was "Firpo," a yearling bull which was judged grand champion at the Zebu show held at the San Antonio Livestock Exposition earlier this year. An exhibit of cattle was also on hand from the Coquat Ranch which was too far removed from the route of the tour to justify a visit by the group. Among the Coquat cattle were some outstanding specimens that have received considerable recognition in the Brahman and Zebu show rings this year. An exhibit of offspring was also shown by the Martin Ranch that included second cross animals carrying three-fourths of the blood of imported Brazilian herd sires. These animals were very outstanding in their qualities and attracted a great amount of interest.

The tour moved from the Martin Ranch through Cotulla, and then eastward on State Highway 97, to a point some 12 miles east of Cotulla where they visited the ranch of G. R. Hoff & Son. The Hoff Ranch presented a pen of outstanding registered Zebu cows along with exhibits of Zebu Shorthorn and Zebu Hereford cross breed cattle. The Hoff Ranch registered Zebus are bred from the well known Kimball herd located in La Salle County,

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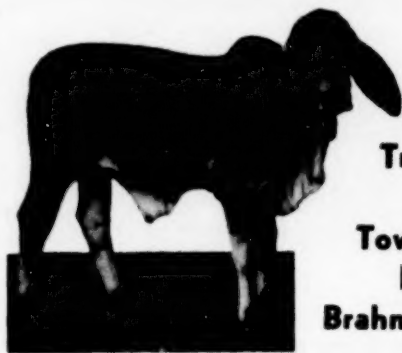
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Ranch located 21 miles S. W. of BAY CITY in Matagorda County

and the cross breed cattle exhibited by the Hoff Ranch indicated the ultimate in big frame, thickly fleshed range cattle. An exhibit of Braford cows was exceptionally well received by the crowd, which appeared amazed with the size and growthiness. The cows also carried a very good uniformity insofar as their color combinations were concerned.

From the Hoff Ranch, the caravan moved to the well known Kimball Ranch, located six miles northeast of Los Angeles, Texas, where they were again treated to very much appreciated refreshments, and where they were shown some exceptional and outstanding cattle herds. H. G. Kimball has gained considerable prominence with his red Zebu cattle, and most of the recognized Brahman herds that are identified for their red color have originated from the Kimball Ranch. The red qualities in the Kimball cattle descended from an imported Brazilian herd sire of the Gyr breed, which Mr. Kimball procured from the 1925 importation of Brazilian Zebu bulls, that were brought to Texas during that year. The Kimball Ranch also exhibited offspring carrying three-fourths of the blood of the 1946 Brazilian importation. Most impressive of all the cattle seen at the Kimball Ranch were the outstanding Zebu cows that showed exceptional qualities of the Indu-Brazil breed in particular.

From the Kimball Ranch the tour reached its final destination at the Esperanza Ranch owned and operated by Jess McNeel. It was at the Esperanza Ranch that the entire group plus an additional caravan of guests were treated to a delicious barbecue supper. The McNeel Ranch exhibited several pens of cattle, among which was a herd of young cows that had been bred out of Airmore, Repucho, and Rio Pardo, all imported herd sires. Calves at the sides of these outstanding females were bred out of a famous bull produced by Milby Butler of League City, Texas, and some of the females in this breeding herd were stock belonging to the Butler Ranch. A breeding pattern observed at the Esperanza Ranch gave the crowd an unusual opportunity to compare the merits of outcrossing the imported blood with the practice of concentrating it from the several unrelated bulls in the 1946 importations.

The day was concluded well up in the evening after a most enjoyable visit with the gracious McNeel family, and with the many other guests who had assembled at the McNeel Ranch to receive the Zebu caravan.

Barzee Brahman Bull to Ohio by Air Freight

J. V. GATES, owner of Barzee Brahman, Poteet, Texas, reports the recent sale of Barzee's 251st, a two year old Brahman bull, to Euricka Hereford Farms, Gallipolis, Ohio, owned by Emerson E. Evans. The bull, weighing 1,300 pounds, was crated at the ranch and hauled to Slick Airways at San Antonio, where it was loaded on a plane and flown to Dayton, Ohio. From there it was trucked 150 miles to its new home, a total distance of some 1,500 miles, in less than 24 hours' time.

The Barzee bull will be used on 40 purebred Angus heifers with the view of producing a Brangus herd, so reports the new owner.



One of the Best

Every Flato Brahman carries the blue-ribbon Manso bloodline. So every Flato Brahman is an aristocrat of the cattle world. Introduced into your herd, Flato Brahmans help you raise more beef at a lower cost per pound. Try them and see.

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We now have a few 2-year-old bulls for sale. \$300 up; yearling bulls, \$200 up. Also a few females. See them at our stock farm near Banquete, Texas, between Robstown and Alice, off Highway 44.

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"Mike" Levi, Jr.

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The Cattleman's Annual Horse Issue will be off the press September 1.
Get your advertising copy in promptly.

Standard of Excellence for Brahman Cattle

Foreword by HARRY P. GAYDEN, Executive Secretary
American Brahman Breeders Association

THE American Brahman is the handiwork of American Cattlemen. There was a need for this animal, and he was made to order. The remarkable development in the United States of the American Brahman as a beef animal has been nothing short of phenomenal. The American Brahman has found and is taking its place in beef production. The American Brahman Breeders Association has dedicated its energies to a program of producing a superior beef animal with greater adaptability.

Brahman breeders realize that the vast majority of all beef cattle produced must find their proper place on the table and that, of necessity, these animals must therefore possess a carcass that conforms to the demands of the meat market. In order to present a model animal to which each breeder can look for guidance in his breeding program, a "Standard of Excellence" has been developed by the Association. The Brahman breeder's aim is to produce for America and for the world the greatest possible amount of quality meat, and to that end this "Standard" is dedicated. The constructive suggestions and criticisms of anyone interested are invited in order that this end may be speedily attained.

STANDARD OF EXCELLENCE FOR BRAHMAN CATTLE

Approved by Board of Directors of the American Brahman Breeders Association May 23, 1950

A. GENERAL APPEARANCE

DESCRIPTION

Score
Bull Cow

1. **Color**—Solid or gradual blending of two colors. Unpigmented skin objectionable. Brindle is a disqualification. Muzzle and hoofs dark. A white nose, light colored hoofs or white switch undesirable. 1 1

2. **Size and Weight**—Well developed according to age. Bulls 1600 lbs. to 2400 lbs. at maturity in good flesh. Cows 1200 lbs. to 1500 lbs. at maturity in good flesh. 8 8

3. **Form**—Massive, broad, deep, medium low-set, moderately compact, symmetrical smooth. Straight back with a slightly rounding rump. Any appreciable dropping off from hips to region of crops or hump undesirable. Bull should possess hump of ample size, located directly on top of shoulders, moderate in thickness, somewhat resembling a bean in shape and extending backwards. Females should show

hump of moderate development more oval in shape than that of bull and located on top of shoulders. Bottom line straight except for sheath in bull and navel in cow. Excessive development of sheath or navel objectionable. Flanks full. Bull should possess pronounced masculinity. Females should show all characteristics of refinement and femininity which would indicate a good producer. Walk straight, strong and active. 8 8

4. **Quality**—Hide soft and pliable, of medium thickness, densely covered with hair of medium texture, oily to the touch. Well developed dewlap with generous amount of soft pliable skin arranged in folds extending from lower jaw to chest floor. Moderate development of loose skin under belly. Bone ample in substance, clean cut and strong. Fleshing smooth. 5 5

5. **Flesh Covering**—Thick firm, mellow and uniformly distributed. 7 6
29 28

B. HEAD AND NECK

1. **Head**—Forehead broad, practically flat to moderately prominent (characteristic of predominating strain), face short, slightly tapering toward nose; muzzle full, nostrils wide and open; lips dark. Eyes mild and full with good width between them. Distance from eyes to muzzle of moderate length. Ears ample in length, moderate in width, pendulous in attachment.

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BRAHMAN CATTLE

Quality Crossbred and Purebred Brahman
cattle, bred and raised in North and
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Ranches Located in Dallas, Freestone,
Henderson, Anderson, Navarro and
Kaufman Counties.

Carpenter Ranches

Ben H. Carpenter

2229 Bryan St.

Dallas 1, Texas

and characteristic of predominating strain. Horns wide apart at the base thick, varying in length and shape according to predominating strain. Horns of cows should be thinner than horns of bulls..... 7 7

2. Neck and Throat—Neck short with full crest in bull; neat in cows, blending smoothly into shoulders. Throat clean on sides, but with development of loose skin underneath..... 2 2

9 9

C. FOREQUARTERS

1. Shoulders—Moderately oblique, smooth and well covered on blades, broad on top and covered by hump..... 5 4

2. Brisket—Not too prominent. Wide and moderately deep, covered with loose skin..... 1 1

3. Legs—Moderately short, straight and squarely placed. The forearms should show heavy muscular development, bones strong and clean with dense joints..... 3 2

9 7

D. BODY

1. Chest—Wide and deep, round and full back of shoulders. Good width on chest floor and well filled in fore flank..... 6 6

2. Ribs—Well sprung from backbone, arched, with ample length to give depth to body. Symmetrically joined to loin and crops, well covered with smooth, thick natural flesh. There should be no appreciable depression behind the shoulders..... 7 7

3. Back—Broad and level from hump to hooks; slightly rounding from hooks to pin bones or tail head. Well covered with thick smooth natural flesh. Hooks moderately wide and well laid in. A sharp angle of back between and extending above hooks objectionable..... 8 8

4. Loin—Broad, thick, level, blending smoothly into back and rump..... 7 7

28 28

E. HINDQUARTERS

1. Rump—Long wide, nearly level (slightly rounding toward tail head) smoothly joined to loin. Tail head smooth with tail coming neatly out of body on a line with or slightly below level of the back and hanging at right angles to it. (Steep slope objectionable.)..... 8 8

2. Hooks—Slightly below level of back, medium in width well laid in and moderately covered with flesh..... 1 1

3. Thighs and Twist—Broad, thick, full, and deep, extending well down to hocks. Twist deep and full..... 8 8

4. Legs—Moderately short, straight and squarely placed; perpendicular from rear view but slightly inclined forward below the hocks; muscular above hocks; bone with ample substance, clean and dense. Strong, short, moderately sloping pasterns. Toes uniform and ample in size..... 2 2



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We have ONE OF THE BEST HERDS of carefully selected registered BRAHMAN cattle in America.

We are also developing a NEW BREED OF CATTLE which is really improving the cattle throughout the country just like the Brahman has. This new breed is crossing CHAROLLAIS cattle from France with FIGURE 4 RANCH BRAHMAN cattle.

Anyone interested in the BEST BRAHMAN CATTLE AND CHAROLLAIS-BRAHMAN cross-bred cattle is invited to inspect our wonderful herds.

We have some extra choice cows and young bulls now available, reasonably priced.

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5. Tail—Neatly attached to the body on a level with the top line or slightly below, long, whiplike, with dark switch 1 1
6. Udder—Ample in capacity, extending well forward in line with belly and well up behind; not fleshy. Teats moderate in size, squarely placed, well apart 4
7. Scrotum—The scrotum should contain two testicles of equal size; only one testicle showing is very objectionable 1

21 24

F. DISPOSITION

Alert but docile 4 4

Total 100 100

Cotulla Livestock Show to Feature Zebu Cattle

THE La Salle County Livestock Show scheduled for February, 1951, will feature some of the outstanding Zebu herds in and around Cotulla, Texas, a range cattle area long noted for its numerous herds of top quality Zebu breeding cattle. Cotulla's and La Salle County's Zebu cattle, predominantly of the Indu-Brazil type, have been the basis of the herd registry presently being maintained by the Pan American Zebu Association, a cattle breed organization with headquarters in Cotulla.

Exhibits representative of approximately 25 South Texas Zebu cattle herds will comprise the Zebu cattle division of the show. One of the first classes of truly purebred Brahman steers ever exhibited at a Texas livestock show will be featured by the La Salle Exposition.

Officials of the show include Roy E. Dossey, president; C. G. Hoff, vice-president; H. H. Wildenthal, secretary-treasurer, and such prominent South Texas ranchers as Jess McNeel, J. W. Martin, Jr., N. A. Quintanilla, C. M. Brown, Hogue Poole, H. D. Storey and G. R. Hoff & Son.

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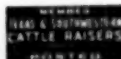


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CATTLE**

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HOUSTON TEXAS

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I'LL STICK WITH THE BEEF TYPE

Aristocrata and Imperator. A check of the pedigrees of Champions will confirm that these bloodlines are tops. Only very select Breeding Cattle are carried on my Ranch with as much emphasis being placed on the FEMALES in the herd as is placed on the Herd Bull. If you are interested in Quality Blessed, strictly Manso Bred Cattle, contact

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HEADS OUR HERD

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SILSBEE, TEXAS

My herd carries a preponderance of the blood of

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Edwards Appointed Secretary of Brangus Association



W. S. Edwards.

THE American Brangus Breeders Association announces that W. S. (Bill) Edwards of Miami, Oklahoma, has been appointed executive secretary of the association effective July 1, 1950.

Edwards graduated from Oklahoma A. & M. College in the class of 1948 with a major in animal husbandry and has spent the past two years as an instructor in the Veterans Agricultural Training Program at Welch, Oklahoma.

Valuable experience was also gained from the four years he spent with Wilson & Company at Oklahoma City, Oklahoma, most of this time in the cattle buying department.

Two years were spent in the Army Quartermaster Corps during the recent war.

Bill Edwards comes to his new work with training and experience fitting the job. He is thoroughly familiar with the Brangus breeding program and has already met and visited with many of the breeders. He is married and has two children.

All-Girl Rodeo Attracts Crowd at Coleman

COWGIRLS from five southwestern states, including all cowgirl champions of 1948 and 1949, were entered in the All-Girl Rodeo held at Coleman, Texas. That the public is becoming greatly interested in a sport which heretofore had been confined to "he men" was evidenced by the large crowds at the three performances.

Betty Dusek, Vancouver, held her claim to the champion calf roping title by roping three calves with an average of less than 20 seconds.

Jackie Worthington, Jacksboro, widened her claim to All-Around Cowgirl by winning the bareback and bull riding events, tying for third place in calf roping and placing fourth in the barrel race.

Margaret Montgomery, Ozona, won the barrel race.

Tad Lucas, internationally known trick rider, did the clowning assisted by Dixie Reger. Other trick riders were Dixie Toulson, Virginia Reger, Jo Ann Bradley, and Ted and Betty Lamb.

Stock for the rodeo was furnished by Dub Spence of the Triangle Bell Rodeo Ranch, Belton, Texas.



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If it is "CARBOTEX" you can crumble it with your fingers and eat it in the natural state. Livestock eat it from the ground.

WILL YOU, compare "CARBOTEX," our soft amorphous limestone, with all other calcium supplements in the natural state and see if there is another that can be eaten as it comes from the ground?

WILL YOU, feed "CARBOTEX" to see if it will help to prevent BLOAT, SCOURS, MILK-FEVER, RICKETS, SOFT-SHELL EGGS, and other troubles caused by calcium deficiency, and check your own results?

WILL YOU, if "CARBOTEX" proves to be a superior calcium supplement in your own feed pens, tell your neighbors?

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ATTENTION

BREEDERS OF RED CATTLE

You should use Red Zebu (Brahman) bulls in your breeding program, thus insuring you a more uniform color in your herd.

I have been breeding Red Zebus for more than eight years, and have one of the best bred herds on the North American continent; in fact, I am the only breeder that has full blood 100% (AA) Red Zebu cows, and I use only 100% full blood (AA) Zebu bulls in my breeding.

I have now for sale only two "AA" bull yearlings, one being gray and the other black, price \$2,500 each; six "A" yearling bulls, five red in color, and one brown in color, price \$500.00 each.

My 1950 bull calf crop will be ready for sale at weaning time this fall.

Come to see me for your needs.

W. W. Moore

Ranch located at
Bastrop, Texas

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Houston, Texas

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National Live Stock and Meat Board Holds 27th Annual Meeting

THE National Live Stock and Meat Board held its 27th annual meeting in Chicago June 15-16 and reelected all officers. The meeting was the best attended in the history of the organization with 300 men of the livestock and meat industry from 31 states in attendance.

F. G. Ketner, Columbus, Ohio, was reelected chairman of the board; Jay Taylor, Amarillo, Texas, vice chairman; Frank Richards, Chicago, treasurer; and R. C. Pollock, Chicago, secretary and general manager.

Pollock, in his annual report to the board, pointed out that during the past half century 845 billion pounds of meat have been produced on American farms and ranches and then processed for human use.

"In this connection," Pollock said, "it is worthy of note that although the United States has less than six per cent of the world's land area and less than seven per cent of its population, we produced in this country last year about 32 per cent of the world's entire meat supply.

"That tremendous supply of meat was made possible by the production of 5,283,000,000 meat animals, including more than 733,000,000 cattle, 3,240,000,000 hogs, 417,500,000 calves and more than 893,000,000 sheep and lambs.

"Meat production has been on the increase—has risen to high levels in the

past 20 years. In fact, during the past 20 years our production of meat in this country annually has averaged 28 per cent more than the annual production during the first 30 years of the century.

"The nation's population has shown a major increase in the decade ending with 1949. That increase has been at the average rate of about 1.9 million persons per year. During this decade the food picture has changed. We are eating more food measured in per capita terms. The over-

all increase in the per capita consumption of all foods, however, has been exceeded in percentage figures by the increase in our per capita use of meat and other foods of animal origin. This year we are consuming more pounds of meat per person than we did 10 years ago, in spite of the fact that we have added some 19,000,000 consumers. This fact is worth remembering when we consider that there has been an actual decrease in the per capita consumption of a number of foods not of animal origin.

"Various reasons can be cited for the encouraging status of meat consumption. Important is the fact that our economic position has been good. Consumer incomes have been high. There has been more money to spend for food. And

Texas at the National Livestock and Meat Board Meeting. Left to right—Henry Biederman, editor of The Cattleman, Fort Worth; John McKenzie, Jr., Matador Ranch, Matador; Jay Taylor, Amarillo; and Eddie Johnson, Amarillo.



Mr. V-8 44th—A88A No. 34439—One of the bulls out of 1947 calf crop. Picture taken at 18 months of age.

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Ranch located 12 miles S. E. Center, Texas, on State Hwy. No. 87
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I Raise the RED BRAHMAN — W H Y ?

They give lots of milk. They get more red, whiteface calves when bred to MEREFOOD cows. They stand more cold weather. I have a few yearling (two and three) for sale. They are BEEF TYPE BRAHMANS.

Also have grass which we will sell cheaper than the reds.

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OJR ROYAL DOMINO 10th

**400 HEREFORDS OF
OJR ROYAL DOMINO 10th
BREEDING**

They All Go!

**SALE AT THE RANCH
GUNNISON, COLORADO**

TWO, TOP, YOUNG SIRES...

now being bred to a group of our select heifers

WHR DESTINY 10th 5694134. Calved October 2, 1948.

WHR HELMSMAN 51st	WHR Proud Princeps 9th	WHR Princeps Mixer
	WHR Vega Domino	WHR Royal Heiress
		Star Domino 6th
		Branda Pride 71st
WHR ROYAL ANN 14th	WHR Royal Heir	WHR Royal Domino 102d
	WHR Miss Mixer 70th	WHR Belle Domino 49th
		WHR Princeps Mixer
		WHR Worthy Maid 16th

WHR ELITE TRIUMPH 12th 3531402. Calved October 1, 1948.

WHR ELITE HELMSMAN	WHR Proud Princeps 9th	WHR Princeps Mixer
	WHR Lady Lili 6th	WHR Royal Heiress 112th
		WHR Royal Triumph
		WHR Vega Domino 3d
WHR MARIANA 19th	WHR Super Seth	WHR Seth Domino 3d
	WHR Viola 11th	WHR Worthy Maid 28th
		WHR True Domino 34th
		WHR Esther Domino 46th

And completing our herd bull battery:

WHR Proud Princeps 643d
by WHR Proud Princeps 9th

WHR Royal Duke 107th
by WHR Royal Triumph

JJ Larry Domino 7th
by MW Larry Domino 200th

WHR Symbol 21st
by WHR Helmsman 3d

DP Resolute Mix 1st
by WHR Resolute 19th

CP Mischief Stanway
by HT Mischief Tone

GAIL - TOM - ELTOS

DUDLEY BROS. COMANCHE TEXAS

Terrill Stewart, Herdsman • Bob Cummings, Breeding Herd

A Son of Our "673rd."



MIXER ROYAL B 21st
by our chief herd
sire, H G Proud
Mixer 673, completed a very
successful show season and
was delivered to Dr. H. A.
Wimberly, San Angelo,
where he is now being used
in the Wimberly herd.

The same type will be offered in our annual sale

November 20, 1950

Barret Hereford Ranch
COMANCHE, TEXAS

100 Miles SW of Fort Worth on Highway U.S. 67 • Albert Haase, Herdsman

W. B. BARRET
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when people have more money to spend, they invariably purchase the foods they like best.

"The livestock and meat industry has played an important role in this meat picture. This industry, through research, has established in the minds of the consuming public the fact that meat is a "must" on the nation's tables. Through the initiative of the industry, new facts have been revealed attesting to the leadership of meat from the standpoint of good nutrition and better health. No longer is meat being maligned as being responsible for various ills of mankind.

"This industry of ours has become more than ever alert to the necessity of telling the meat story. It has been responsible for a far-reaching nation-wide program in behalf of meat—carried on consistently and continuously. Every segment of the industry has become increasingly aware of the fact that we cannot sit idly by and let other foods win out in the battle of foods for a place in the 40-ounce human stomach.

"They know the necessity of being everlastingly on the job in behalf of the industry's ultimate product.

"As we think about meat—the product of this livestock and meat industry, we are cognizant of the part played by research in establishing its position of leadership. Today—as never before—we recognize that the facts flowing in increasing volume from our research laboratories in every realm of human activity, are a dynamic force in our daily lives. Research has made possible an improvement in our living standards and in our economic status.

"Research in the food field has been a vital force in contributing to our knowledge of foods. This is especially true when we think of meat. Thirty years ago a discussion of meat research and its contribution to mankind would have been well nigh impossible for the simple reason that little or no attention had been given to meat studies.

"Today, the picture is much different. The results of painstaking research have enabled meat to attain top-ranking place in the field of foods. In research laboratories meat has been subjected to many tests in the quest to discover its nutritive properties.

"Through the application of facts secured through research former ideas disparaging to meat have been dispelled. New discoveries have been made which have established meat as a rich source of essential nutrients. We know, because of research, that meat is high in muscle-building and blood regenerating protein. We know that it is a good source of iron, the blood-building element—that it is rich in phosphorus so necessary in building teeth and a strong skeletal structure. The value of meat as an excellent source of the vital vitamins is everywhere recognized.

"Because of the facts established by researchers, we now know the value of meat as a source of the elements which build resistance to disease and in speeding up recovery from surgical operations. Today, the superior qualities of meat are recognized in the diets of persons of all age levels—from childhood to old age.

"In the light of new discoveries meat is no longer just an ordinary food—not a food which simply satisfies hunger. Today, those in all walks of life are learning that meat is an outstanding



Selling -

400 HEAD of TRAIL'S END HEREFORDS
Denver, Colo., Sept. 18-19, Painter's Two Bar Two Ranch

This offering represents all of the Trail's End Herefords
purchased in November, 1949 by Larry Miller, Flowing
M Cattle Co. Every animal sells!

STRAUS-MEDINA Hereford Ranch • FLOWING M CATTLE CO.
San Antonio, Texas Denver, Colorado

source of those elements which build strong healthy bodies.

"Research has given us the answers to many problems relative to meat, but it has not given us all the answers. There are still many things which we need to know about this food.

"We need to know, for example, as to how freezing affects the nutritive value of meat—the percentage of digestibility of the various meat cuts—what makes meat tender. We need to know more about the cooking of meat—how cooking affects its nutritive value and more especially its vitamin content.

"In other words, research in the future is necessary to answer these and many other questions. It is fair to say that the field of meat research is as yet only partly explored and that the research field is vast in its possibilities.

"During the past year the board has become increasingly impressed with the nation-wide interest in meat on the part of groups everywhere. The demand for various services has mounted. Our educational activities have been enthusiastically received—meat exhibits, sound motion pictures, filmstrips, literature, lectures and demonstrations, radio talks, articles for the press and other phases incident to the program.

"Today, the physician, the dentist, nurse and dietitian know the value of meat in the meal—pass on facts about meat to those they contact daily. The teacher, the nutrition worker, the foods editor, the restaurant operator and those in the civic and business fields—these and many others are more eager than ever before for all possible facts about this food product.

"Looking forward no one would attempt to even prophecy the trends in the livestock and meat industry and the future standing of meat. The demand for meat in the days ahead rests in large measure on the nation's economic conditions—on our food buying power. It is probable, based on past population trends that we will have 170 million people in this country by 1960. If this population consumes meat at the rate it is being consumed this year we will be consuming two and one-half billion pounds more meat than we will consume this year.

"It is thus evident that we will have to increase our meat animal population quite substantially in the next decade.

"The developments which have brought meat to its present position are due largely to the efforts of all branches of our livestock and meat industry—to the press of the industry and to individuals and organizations outside of the industry.

"We are certain that this cooperation will continue as the years pass—and we are also certain that the facts which have established the place of meat as a 'must' in the diet will continue to pay dividends. We have gone far in the years past. The outlook for the future would seem to be most encouraging."

Interesting Demonstrations

A feature of the annual meeting was



Brahmans on the V-S Ranch, Center, Texas

MR. CATTLEMAN—

You Can Successfully Market Your Grass Cattle

By Shipping to the St. Joseph Market

Where There Is a Dependable Outlet and Adequate

Facilities for Handling Either Large or Small Shipments

"It's a Good Place to Do Business"

St. Joseph Stock Yards Co.

SOUTH ST. JOSEPH, MISSOURI

He goes to **TURNER RANCH** at \$12,500



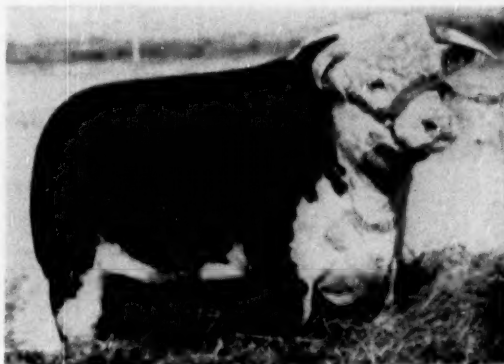
H. Proud Mixer 1st 5735425. Calved March 4, 1949.

H. Proud Mixer	CK Cascade	WHR Double Princeps
5760006	CK Kathleen 8th	ED Douglas Lane 4th
		Real Prince 29th
		Fanny Lorena
Lady Reality 16th	Real Prince Domino 19th	Real Prince Domino
3745082	FREEY	Branda Pride 46th
		Domino Elect
		Miss Domino

WE ARE pleased to announce the sale of H Proud Mixer 1st, the first son of H Proud Mixer. The "1st" sold to Turner Ranch, Sulphur, Oklahoma, as a junior yearling at \$12,500. Our sincere thanks go to the Turner Ranch.



H Proud Mixer (right) at the head of our herd is doing an outstanding job for us. He is ably assisted by another young, proven herd sire, H Flashy Triumph. This pair of young bulls is being mated to our carefully selected cow herd. The calves that we have secured from these matings are very good. We would be pleased to have you come and see them.



HARVEY HEREFORD RANCH

ADA, OKLAHOMA

MR. and MRS. W. E. HARVEY, Owners

BUSTER BROWN, Herdsman

a demonstration revealing the value of lard in the treatment of eczema.

Present were eight persons ranging in age from six or seven months to 21 years, all of whom had suffered from severe cases of eczema, and whose skin condition, it was said, had been greatly improved or actually cleared up after lard had been added to their diets. Some of the cases had been of long standing. None had responded to other methods of treatment. They had been taking lard for periods of from three to 11 months.

The history of each case was presented at this session and various human interest aspects incident to the results were related. The lard treatment was begun at the initiative of the families concerned, with the board cooperating.

While not fully conclusive, the results obtained with lard in these various cases of eczema would seem to indicate the value of lard for the health of the skin, according to the board. In addition to relieving the skin ailment, the use of lard appeared to be effective in relieving other physical conditions associated with the eczema.

R. C. Pollock, general manager of the board, stated that its interest in the use of the dietary lard for eczema had arisen from the results of research the board has sponsored at two leading universities, and conducted by men of the medical profession. The amounts of lard given to these patients daily was in each case in direct proportion to the age of the patient.

The "tea and toast" diet for persons in the upper age brackets is all wrong. Science has proved that the tendency of older persons to cut down on protein

foods is a step backward from the standpoint of adequate nutrition.

These facts were indicated in a report presented by Dr. Pauline Beery Mack of The Pennsylvania State College.

In part the report covered a survey of some 400 persons, 50 years of age and over. This survey showed that certain important aspects of the nutritional status of these persons were directly related to the amount of meat and liver in their diets. The best over-all response to the medical-nutrition observations and tests were found among those consuming the greatest amounts of these foods. A direct correlation was shown between the amounts of meat consumed weekly and blood values.

Dr. Mack also reported on diet studies conducted with older persons at several Pennsylvania institutions. At one of these, where meat was consumed two to five times weekly, and liver not at all, there was a high percentage of the subjects with nutritional anemia, tongue and skin lesions and poor skeletal mineralization.

In another institution where meat was given to the subjects seven times per week, the nutritional conditions were superior to those in the institution just mentioned. Where meat was given 10 times weekly (with 15 per cent liver), to subjects previously receiving meat only four or five times per week, marked improvement was shown in blood and skin conditions and in vitamin A and protein blood values. They also showed normal condition of reflexes, less fatigue and were better in other respects.

Dr. Mack asserted that in no instance, either in the survey or in the more in-

tensive study, were any adverse effects noted in those subjects who had a high level of meat consumption as shown by medical-nutrition observations.

Foot and Mouth Disease

Approximately five million animals in the infected area of Mexico have lost their vaccine-produced immunity to foot-and-mouth disease, and while there have been no outbreaks of the cattle malady during 1950, officials of the Mexico-United States Commission for the Eradication of Foot-and-Mouth Disease are more apprehensive now than ever before.

This was the message brought by General Harry H. Johnson, Special Assistant to the United States Secretary of Agriculture and Co-Director of the campaign in Mexico.

Vaccination of Mexican cattle will be completed throughout an area approximately the size of Texas in August, General Johnson explained. By November 1, all will have lost their immunity and rigid inspection will be relied upon to discover any outbreaks.

There are nearly 17 million animals in the infected area and a total of approximately 58,000,000 doses of vaccine have been administered by brigades of the Foot-and-Mouth Disease Commission. Vaccine production facilities developed in Mexico to the point where it was possible to produce almost unlimited quantities have been shut down, and eight million doses of vaccine are in storage.

Board Honors Eleven Men

Eleven men who have carried on 25 years or more of outstanding service in the meats field were signally honored at a banquet Thursday evening, June 15.



Straus Royal Lady 12th

CHAMPION FEMALE 1950 San Angelo Show

by
TT ROYAL TRIUMPH
our chief herd sire

Straus Royal Lady 12th is a very good example of the type that TT Royal Triumph is siring for us. She has stood near the top of her class wherever she has been shown.

We are well pleased that the get of TT Royal Triumph is enjoying a good demand among top Hereford breeders and feel sure you will like his calves too. We invite you to come to the ranch and visit with us and see our cattle.

"As Good As They Come"

STRAUS *Medina*
HEREFORD RANCH *San Antonio, Tex.*



J. R. Straus • David J. Straus • Joe Straus, Jr. • H. A. Fitzhugh, Mgr.

Nine are connected with Land Grant colleges and two with the U. S. Department of Agriculture.

Presiding as master of ceremonies on this part of the program was Jay Taylor, well known Texas cattleman and vice chairman of the board. Mr. Taylor called attention to the importance of the work of these men in the fields of meat research, teaching and extension activities.

"We've been feeding cattle, hogs and sheep ever since the Pilgrims landed on Plymouth Rock," Mr. Taylor asserted. "But in the past 25 years and more we've made history in another field—the meats field, and you men have carried the torch."

Mr. Taylor introduced each of the men and briefly sketched their life histories, in the following order:

Phil Anderson, head of the meats work at the University of Minnesota.

Prof. Sleet Bull, heading the meats department of the University of Illinois.

Prof. J. B. Francioni, Jr., head of the animal husbandry department of the Louisiana State University.

O. G. Hankins, animal husbandry division of the Bureau of Animal Industry at Washington, D. C.

Prof. Wm. J. Loeffel, head of the animal husbandry department of the University of Nebraska.

Prof. David L. Mackintosh, head of the meats work at Kansas State College.

Prof. A. W. Oliver, head of the Oregon State College meats department.

Prof. Roy Snyder, Texas A. and M. College.

Kenneth Warner of Washington, D. C., in charge of meats extension work for the U. S. Department of Agriculture.

Dr. E. J. Wilford, head of the meats department at the University of Kentucky.

Prof. P. T. Ziegler, head of the meats department at Pennsylvania State College.

On behalf of the National Live Stock and Meat Board, Mr. Taylor presented each of the honored guests with a carving set.

National High School Rodeo at Santa Rosa Aug. 11-13

THE Second Annual National High School Rodeo will be held at Santa Rosa, N. M., August 11-12-13. Last year the rodeo was held at Hallettsville, Texas, with such success that it was decided to make the event an annual affair and change its location from year to year.

Santa Rosa is especially qualified to hold the rodeo this year inasmuch as the Third Annual State FFA Rodeo is being held there as will all succeeding state events as it has been officially designated as the home of the New Mexico FFA Rodeo.

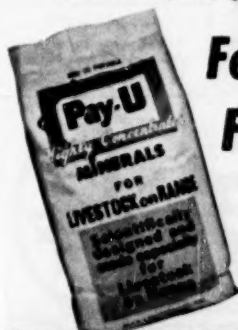
The schedule of events includes break-away, tie-down and ribbon calf roping, steer riding, bulldogging and bareback bronc riding.

A hand-tooled saddle will be awarded the all-around cowboy and large engraved silver buckles to the winners in each event.

Only four high school boys in each event in their respective state rodeos will be eligible to enter, unless the state in which the applicant resides does not have a state rodeo for high school boys, in which case the first four registered in each event will be placed.

HOW TO GET BIGGER CALF and LAMB CROPS

The answer is simple. Help your livestock on range produce stronger, thriftier calves and lambs by feeding completely balanced Pay-U Range Minerals. PAY-U combines 11 top-quality base and trace minerals range animals are known to need for their own body maintenance . . . and for reproduction. Pay-U is easy, economical to feed—made in granular form to eliminate washing and blowing away. See your Pay-U dealer about this profit-making, complete mineral feed today. Or write Pay-U Laboratories, Inc., Quincy, Ill.



Feed Pay-U Minerals For Larger, Thriftier Calves and Lambs



IT WILL PAY YOU TO USE

Pay-U

PAY-U LABORATORIES, INC.
QUINCY, ILLINOIS



HIS HEIFERS

are added to our herd

The very excellent heifers WHR SYMBOL 4th is siring for us are all being added to our herd. They are the kind that can bring great improvement. We would be happy to show you the calves by this really good individual that carries the pedigree below.

WHR Symbol
4th

Jan. 29, 1946.

WHR Helmsman 3d.
WHR Donna Domino
25th

WHR Proud Princeps 9th
WHR Super Sally 19th
Prince Domino Randolph
2d
Agnes Domino 4th

WHR Princeps Mixer
WHR Royal Heir, 112th
WHR Super Dom. 20th
WHR Patricia 16th
Prince Dom. Randolph
Donna Anna 50th
Prince Domino 4th
Lady Domino 22d

STAN-DE RANCH

WATOVA, OKLA. on US 169, 7 mi. south of Nowata or 40 N.E. of Tulsa.

F. E. Shanley, 105 North Boulder, Tulsa 3, Okla. or Bruce DeWitt, At the Ranch, 4 mi. West of Watova
H. Dana Mae, Hardman

OUT OF OUR SHOW HERD To Olvey Hereford Ranch at \$2,150



Princess Blanchard 35th

by
Plus Return 1st

Show record:

2nd and in 1st place pair of calves, Shreveport, La.

Grand Champion, Beeville, Texas.
Second, Brownwood, Texas.

Grand Champion and 1st pair of calves, Delhi, La.

First and in 1st pair of calves, Baton Rouge, La.

Second, Houston, Texas.

Fifth, Fort Worth, Texas.

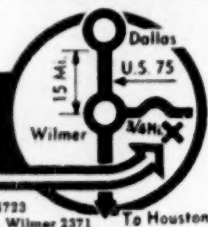
FOR SALE

At this time we offer 5 nice, open heifers ready to breed in July.

This outstanding daughter of our herd sire Plus Return 1st exemplifies the type he is siring. Our show herd, mostly by Plus Return 1st, was very successful in the past show season. At present we have calves by Plus Return 1st that show every promise of continuing this record. We would welcome your visit.

WILLHITE **Hereford Ranch**

M. D. WILLHITE, Owner • Dallas P. O. Box 4127 • Phone Y8-6723
Travis Fuller, Mgr. • Grady Payne, Herdsman • Ranch Phone Wilmer 2371



FOR SALE

The FINEST REGISTERED GUERNSEY FARM IN THE SOUTH

Consisting of 700 acres bottom land, top soil 91 feet deep, 253 acres owned, balance leased. All modern equipment together with 250 head of fine registered Guernsey cattle. Investment a little over \$500,000... will sell for \$350,000. It is located 38 miles west of Houston, and has no competition. Owner's health will not permit active supervision.

ADDRESS:

EARL M. NORTH, Box 212, Houston, Texas

Texas Fair Offers \$22,350 in Beef Cattle Show Prizes

LIVESTOCK features of the Mid-Century Exposition of the 1950 State Fair of Texas will be the best beef cattle shows in the fair's history, Ray W. Wilson, manager of the fair's livestock department, has announced.

Breeders of purebred beef cattle in all sections of the United States have been invited to exhibit at this great show, Wilson said. The various divisions of the beef cattle show will compete for premiums of \$22,350.

Dates for the Hereford, Polled Hereford, Aberdeen-Angus and Shorthorn shows are scheduled for Oct. 7-12 while the Brahman show will be Oct. 7-15. Premiums for the shows are: Hereford, \$7,500; Shorthorn, \$4,500; Brahman, \$4,200; Polled Hereford, \$3,000; and Aberdeen-Angus, \$3,000.

The Texas Polled Hereford Association will sponsor the Polled Hereford Show at the 1950 State Fair, Wilson stated. The association also will sponsor a Polled Hereford sale on Wednesday, Oct. 11.

With \$3,150 in premiums, the Quarter Horse Show will be one of the greatest in history. A hand-carved saddle will be presented to the winner of the performance class by the State Fair of Texas. Dates for the show, which is sponsored by the American Quarter Horse Association, are Oct. 10-16.

Entries in the Palomino Horse Show, sponsored by the Texas Palomino Exhibitors Association, Inc., will compete for \$2,500 in premiums. The show will run Oct. 17-22.

Beef cattle exhibitors will have the opportunity to show to the largest group of rural youth in the 65 year history of the State Fair, when more than 85,000 4-H Club boys and girls, Future Farmers and Future Homemakers visit the Mid-Century Exposition on Oct. 7 as guests of the State Fair of Texas, Wilson said.

This group of young and enthusiastic future farmers and ranchers alone is a worthwhile audience for beef breeders to display their show herds to, in addition to the vast crowds attending the 1950 State Fair.

The Junior Livestock Show, Oct. 17-21, will see 4-H Clubbers and Future Farmers exhibiting their livestock for premiums amounting to \$11,250. This premium is \$2,410 over the 1949 list, Wilson said.

A Junior Commercial Steer Show has been added to the Junior Livestock Shows. The purpose of the show is to encourage 4-H boys and Future Farmers to take part in a practical beef production program in Texas and the Southwest.

The American Saddle Horse Show, sponsored by the American Saddle Horse Breeders Futurity of Texas, has been added to the State Fair's horse show program, Wilson stated. Premiums will be put up by the association.

The total premium for all livestock shows at the Mid-Century Exposition is \$72,659. Included are: Dairy Cattle (Jersey, All American Jersey Show and Junior Exposition, Regional Holstein-Friesian Show, Guernsey and Milking Shorthorn shows), \$20,700; Sheep and Angora Goats, \$3,773; Swine, \$8,636, and a special herdsman award of \$300.

The 1950 Agriculture show will portray the Mid-Century achievements of Texas researchers and "working farmers" through exhibits of leading crops,

soil types and soil conservation, irrigation, farm homes, rural youth activities, grasses and forestry.

The Texas Research Foundation will develop and maintain an outdoor nursery of more than 40 grass varieties that are essential to the beef and dairy cattle industries, Wilson pointed out. This exhibit has always been the most interesting of the Agriculture show, according to the crowds that inspect the various grass specimens, he said.

The 1950 State Fair of Texas, keyed to the Mid-Century theme in every phase, will pack huge exhibit buildings and other facilities on the 187-acre, \$40,000, 000 fairgrounds with attractions considered to be the most mid-century of their type.

Texas Bred Grand Champion Steer Dresses 66 Per Cent

A TOUR of the nation has been completed by Judge Roy Bean, Texas bred grand champion steer at the 1949 International Live Stock Exposition in Chicago, and the animal has gone the way of all good steers—to beef.

The Hereford steer was purchased by Dearborn Motors, Detroit, national marketing organization for the Ford Tractor and Dearborn Farm Equipment, at a record price of \$13,800. So great was the demand to see this near perfect animal that the Detroit firm hired a cargo plane, outfitted it with a special gilded stall and loading ramp, and sent the Judge on tour. An estimated 4,000,000 persons at state fairs, livestock shows and farm events, saw the steer during the four months he was on exhibition.

An outstanding champion in the ring, the Judge also was outstanding in the final measure—the amount of beef he produced. Officials of Pfuehler Brothers, Inc., Chicago meat processing firm, stated that the steer's dressing percentage was 66 per cent and added that the figure is "one of the best dressings in percentage in our experience."

Despite his long trips about the country, the champion steer was in excellent condition when slaughtered. His official weight at the time of his purchase was 1,300 pounds. When slaughtered the live weight was 1,421 pounds. The "hot" dressed weight was 938 pounds.

The steer was raised and exhibited at the Chicago show by the 4-H Club of Pecos County, Texas.

Hereford Heaven Spring Sale

SUMMARY
34 Head \$17,193; avg. \$503

SOUTHWESTERN Hereford breeders continued to show their desire for good foundation females in the 6th Annual Hereford Heaven Spring Sale at Sulphur, Oklahoma, June 10.

Topping the sale at \$1,035 was Lady T Caldo 201st, a daughter of T Caldo Rupert, consigned by Turner Ranch, Sulphur, Oklahoma. She went to J. P. McNatt, Greenville, Texas, who bought several of the highest selling consignments.

Par-Ker Ranch, Chelsea, Okla., paid \$960 for the runner-up in the sale, C R Larry's Princess 4th, a daughter of J B Advance Prince 29th. She was consigned by Covert Hereford Ranch, Mill Creek, Okla.

Selling was under the direction of Col. Jewett M. Fulkerson.

THREE MORE FLY TO CANADA

One herd bull prospect by D L Domino and two heifers by Domino Return E 1643rd were sold to J. Edward Stubbs, Caledonia, Ontario, Canada, and delivered by air freight. All three were 7 months old calves. Last year we sold and delivered by air a herd bull prospect by Domino Return E 1643rd to Frank Fork, Hagersville, Ontario, Canada. Mr. Stubbs had seen the calf that Mr. Fork bought from us and liked him enough to buy these three SIGHT UNSEEN. We have received word that Mr. Stubbs is very well pleased with the calves we sent to him.

We congratulate Mr. Stubbs on his willingness to go any distance to get the type of cattle he wants to add to his expanding herd and wish him the greatest success in the future.

Other important sales lately are:

- Herd bull prospect by Domino Return E 1643rd out of a D L Domino cow to R. H. Odom, Jr., Snyder, Texas.
- One five month old, outstanding herd prospect by D L Domino to L. Lake, Marshall, Virginia.

These calves will be delivered at weaning time.

THEY BOUGHT WITH CONFIDENCE . . .

not only in the inherent quality of these calves, but also on the strength of our established policy of never selling inferior cattle. All culls from this herd are sold to the packer—not to our customers, who always become our friends. Come to Diamond L and see the other calves we now have by Domino Return E 1643rd.



Diamond

REGISTERED
HEREFORDS

FRED M. LEGE III, Owner
Route 2, Weatherford, Texas
Phone: Weatherford 123



Ranch

MIDWAY BETWEEN WEATHERFORD and CRESSON on TEXAS HV. 171

We can save you money and get for you better cattle
for the money you invest.

Hereford and Crossbred Brahms for Commercial Herds
Rodeo Calves Feeder Calves Stocker Cattle
BONDED FOR SECURITY

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Milky 4163

Telephone Preston 8922

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R. S. Gregg
Milky 3503

Port City Stockyards
Houston 4, Texas

Advertise your horses in The Cattleman's Twelfth Annual Horse Issue.



Pump Handle Pete



Gays:

Jensen stops
"Insufficient
Water"—

Many a man's check comes back marked
"Insufficient funds" because his wife
beat him to the draw!

With a Jensen Pump Jack over your well—it's
different. You'll always have plenty of water
for your stock and house and you won't have to
worry about whether the wind blows or not.
The Jensen Jack pumps on gasoline or elec-
tricity when YOU want it to.

Write a card or letter to 1004 Fourteenth St.,
Coffeyville, Kansas. Ask for our free pump jack
literature. See for yourself how simple, depend-
able and inexpensive a Jensen is. If you'd like
to buy through your local supply store include
the name and address.

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AMERICA'S BEST

For Those Who Want More
Class... More Wear... More
Value Per Dollar of Cost
Blucher makes quality boots only.
Featuring best leathers, superior work-
manship, many exclusive and original
stitch patterns and colored inlay de-
signs. All popular toe styles and top
lengths. Every pair made to your in-
dividual measure and guaranteed to fit
by bootmakers who make nothing but
cowboy boots. Now sold in stores.
Write for FREE CATALOG, illus-
trated in colors... today.

G. C. BLUCHER BOOT CO.
Olathe, Kansas

BLUCHER BOOTS

Barnes Tillous of the Quien Sabe Ranch

By BOB BEVERLY

IN this day-and-time of the cow busi-
ness, I look at the photo of this
cowman, and just have to say a few
things regarding my old boss, and at the
same time I know that many of the young
cowboys of this day will say there was
never a man like I am trying in my
feeble way to talk about.

I have never at any time or at any
place mentioned his name in the presence
of those who knew him on the range, but
they would invariably say, "Barnes was
one of the best when it came to handling
cows. Either on the range or on the trail
Barnes knew what a cow intended to do
the day before she did it."

Some years ago, I think it was J. Frank
Dobie wrote an article regarding Horace
Wilson's experience on the range and told
of the old roundups west of the Pecos
River when they went out at night and
made a dry camp some fifteen or twenty
miles from where they were to throw the
cattle together.

He related the story of Barnes Tillous
riding a big Longhorn steer into the
roundup after his horse had got away
in the night.

There is only one man I know of today
who was on that work and he lives here
in Lovington. I think maybe Tom Hen-
rick, deceased, was on the work, also
Howard Collier, deceased, of Pecos. I do
not know for sure.

Barnes Tillous came into the Rio
Grande country and went to work for
the Quien Sabe outfit before M. Halff
& Brother went to handling the Quien
Sabe brand. The brand was started and
called the two half moons, but when a
man asked a Mexican what the brand
on the horse he was riding was, the
hombre said "quien sabe" (who knows).
I am not sure but I think old man Has-
tings started the brand as the two moons.

During the drouth of the last eighties,
the Quien Sabes moved into Glasscock,
Midland and Upton Counties. Times were
poor, and men who owned cattle had to
borrow a lot of money.

So the Quien Sabe outfit, together with
Barnes Tillous, went into the hands of
M. Halff and Brother of San Antonio.
Barnes stayed with the Quien Sabe out-
fit until the man with the hoe began to
four-sectionize the old range. Then he
went further west.

Barnes was a close observer but said
very little, and he could get more work
out of a bunch of men without giving
any orders than any man I ever worked
with. If you asked him anything, he
might answer or he might not. Or maybe,
in a day or a week, he would ride up to
you and give you the answer to some
question you had asked about before-
hand, and the chances were you had
forgotten the question.

At one time, he was at the old Mallet
Camp in Gaines County, Texas, and the
late Henry Williams, who was in charge
of the camp for Mr. Halff, had taken a
Grullo colored colt away from Sam Marr,
deceased, who was at that time in charge
of the Youngblood Triangle H Triangle
brand of cattle. Their range was west
of where Seminole, Texas, is now.

Barnes had me bring the colt back
down below Midland with the Quien
Sabe remuda and kept the young pony
at the upper headquarters, fed him oats



Barnes Tillous
From an old photo.

and grain and made a wonderful horse
out of him. The only man I know of
today that rode that colt, outside of my-
self and Barnes, was Lewis Beyers, now
of the Penasco Ranch of the Scharbauer
outfit. This colt was branded diamond Y
on left thigh.

About the time Barnes had the colt
broke, he rode into Midland one day. At
that time, there was an outfit beginning
to buy up polo horses on ranches over
the west. I think they were from San
Antonio, and their names, as I recall,
were Savage.

As Barnes rode down the street on
Possum, this polo man tried to stop him
to buy the pony. Barnes never even
looked at the man or spoke or anything,
just rode on, like he was going to church.
The man inquired who Barnes was and
later got a horse and followed Barnes
out to camp, about eight miles south-
east of Midland.

As the man rode up to the ranch,
Barnes was feeding Possum. The man
introduced himself to Barnes and told
him his name. Barnes remarked, "I
can't help you having that name, I never
named you."

The polo buyer told Barnes that he had
seen Mr. Halff in San Antonio before
he left there, and Mr. Halff had told
him to get any horses on any of his
ranches he could use.

Barnes asked the man to go up to
camp as he thought maybe it was about
chuck time. The man said he would try
the pony out if Barnes would place a
saddle on him. Barnes just looked at
him and walked out of the corral towards
chuck.

The man followed him on to the camp
bunkhouse telling Barnes all the time
how he liked the horse. After dinner
Barnes walked down to the corral, placed
his saddle on Possum, rode off, and left
the man wondering what kind of man
he had run up against.

The waddies told the man he had just
as well go, as for buying Possum, he
never would. The man went back to
town and wired Mr. Halff and Mr. Halff

wired Barnes to let the man have the horse or any horses he wanted on the ranch. Barnes never even answered the wire.

Barnes started from west of the Pecos with 2,700 steers from five to ten years old, old mossy headed fellows and wanted to cross the Texas and Pacific Railroad at or on the flat where the oil field and town of Pyote is now.

He had the boys graze up close to the railroad tracks and not try to cross if there was any smoke of train any place in sight. The old steers would walk a few steps, raise their heads, smell of the air, and stop and look. No man who worked for Barnes ever hollered around a bunch of steers or made any fuss by slapping his leggings, that is, as long as the steers were quiet.

It was a slow process just walking up on that railroad like a cat slipping up on a mouse. This went on for some time, but finally the Texas and Pacific passenger train came around a sand hill on the way to El Paso. The steers just took one look at that train, the first one they had ever seen in their lives, and started back towards the Pecos River for safety.

About fifteen miles away they were circled and milled into getting another hitch for an all night session. The next day Barnes and his men got back within three miles of the tracks again and away they went towards the river. This went on for four or five days.

But Barnes outfitted the steers. He had the men loose-herd for a day and night and tried different places. He found that the section foreman on the railroad had two milk cows and drove them to the herd of steers. Of course, the cows wanted to go home to their calves and did not mind crossing the tracks—just anywhere to get out of that herd of steers.

When the cows led out, the steers followed. When the cows crossed the tracks, the steers went over, running as hard as they could for about four miles until the lead men finally slowed them down. The herd crossed but at any time from there to Coldwater, Kansas, that the men bunched them, they would scare and run until thrown into a mill and stopped, so at night it was a job of range herding. In the daytime, the steers were grazed like a bunch of sheep, but every step they grazed, they were headed towards Kansas.

Barnes Tillous and Brooks Lee were great amigos. Barnes called Brooks Lee, Nig, and Brooks Lee called Barnes, Tonk, as they both looked like Indians. If they were together, they would romp like two kids. But let someone else ride up, and you could not get one to speak to the other, and you would think if you did not know them, they were sore at one another and liable to pull off a gun battle anytime.

Barnes and Old Man Rufus Moore were the same way. They would go places together, as Moore was manager of the Half Ranches, but Barnes and Moore never spoke to one another if there were any of the boys around. One day they had been to Midland in a buggy and Barnes got out at the horse pasture and opened the gate. Moore drove on to the ranch about a half mile and made Barnes walk. It was hot and sandy, but Barnes just walked in and didn't say a word. Neither did Moore, but I knew some day Mr. Moore would have to walk further or maybe have to be brought in by someone else.

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Sure enough, the next time Mr. Moore came by the ranch on the way up into Gaines County, he and Barnes got into the buckboard with their bedding, etc., and pulled out to the Mallet Camp east of where the old Highlonesome Ranch is in New Mexico.

On the way back, they watered their team late one evening at Five Wells Ranch and drove on towards Midland. As they went into what was then the old Holt pasture, some ten miles on the way to Midland, Moore got out and opened the wire gate for Barnes to drive through, and Barnes trotted the buggy team on for about three or four miles and camped for the night. Moore hotfooted on through the sand along in the night, and when he got to where Barnes had made camp, unrolled his bed and laid himself down to rest his weary bones.

As the school land came onto the market to be settled by the smaller ranchers, the old Quien Sabe pasture was split up, so Barnes left the Quien Sabe, and I do not think he ever came back. The man who came out to take charge, rode up and told Barnes that he was the man Mr. Halff had sent out. Barnes looked him over for about five minutes and pointed off south and said, "there it is what is left of it, take to it." The man asked if Barnes would show him around over the ranch. Barnes said, "You are a grown man, and I guess you will not get lost," and left the ranch.

Barnes and Billy Connell became interested later in what is known as the old NAN Ranch in New Mexico, and Billy told me the following story a few years ago. The last time he was in Lovington, he and I had quite a visit. Billy is now deceased.

Billy said one day out at the NAN Ranch, Barnes told Billy he was going to live about two years longer. "I don't know where we have anything made in this ranch. We have never stopped to figure much as we have been too busy. I just want enough out of the business to go to California and stay until it is time to go."

Billy said he rustled around and made the grade in getting some dinero together and Barnes and he went out to California. They got a cottage on the beach there and when Barnes was all fixed up Billy came back to the NAN Ranch.

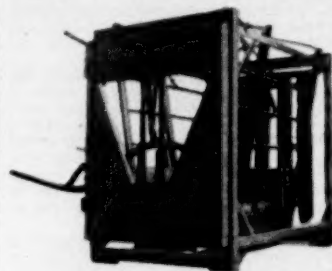
Billy said he was busy trying to hold things together, and one day he got a wire from Barnes to come to California at once. Billy dropped everything and went out to see Barnes. He drove up in a taxi to Barnes' little cottage, and Barnes was sitting on the porch looking out across the ocean.

He walked in and shook hands with his pal, and Barnes began to talk. Billy said he never heard him talk as fast and as much, but finally he got a chance to ask Barnes what in the world was the matter. "I came expecting you to be sick or dead."

Billy said Barnes kept talking and they went everywhere and saw everything Barnes wished to see or where he mentioned going. After a few days, Billy told Barnes he was up against everything that could happen to stock and ranching and just had to go back if Barnes didn't need him further.

Barnes looked at him for a while, and said, "Billy, you see that sidewalk right under where I sit on the porch there. Well, I have sat there every day and night since you and I came out here some

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six months ago, and every day and night there have been over a million people walking by me and there has never been one man who spoke to me. I just wanted to talk to some one. I am glad you came; we have had a good visit, so goodbye."

And in a short while the old cow man went on, and now Billy has gone, and as far as I know the old Quen Sabe bunch is about all on the other side, and the rest will soon ride across the western skyline.

Peace to their ashes. They were all cowboys and lived out in the open close to the Great Roundup Boss. Most of them lived out their lives like they began, a partner with the storms, hail, sand, and sun, but as Gene Rhodes says, "they was good men tried and true."

Prof. Roy W. Snyder Honored by Live Stock and Meat Board

PROF. ROY W. SNYDER, head of the meats department of Texas A. & M. College, was signally honored at a banquet given by the National Live Stock and Meat Board, Thursday evening, June 15, on the occasion of its annual meeting in Chicago.

Recognition was accorded Prof. Snyder's outstanding service in the meats field covering a period of more than 25 years. The citation was made by Jay Taylor, Amarillo, Texas, vice chairman of the board.

Born in Cedarville, Illinois, Prof. Snyder graduated from Iowa State College, receiving his bachelor of science degree in 1921 and his master of science degree in 1922.

After eight years of meat extension work in Iowa he was made extension meats specialist at Texas A. & M. College, and since 1946 has given half time to extension work and half to teaching meats courses.

During the 1934 drouth period, Prof. Snyder had supervision of the killing of drouth cattle in 19 plants and the delivery of the meat to canning plants.

An average of 270 students have taken meats work under Prof. Snyder annually in the past three years. Former students who have graduated are making good use of the meats training in the livestock and meat industry and other fields.

The Texas A. & M. College meats laboratory has a capacity of 100 hogs or 75 cattle per eight-hour day.

Wyoming Stock Growers Vote Increase in Dues

THE Wyoming Stock Growers Association, meeting in convention at Cody, passed a resolution increasing the annual dues beginning June 1, 1951, from \$7.50 per member to \$10 per member. It was deemed the current charge was insufficient for the welfare and promotion of the association.

Manville Kendrick, Sheridan, was re-elected president, and Lloyd Taggart, Cody, was re-elected vice-president.

It was also decided to employ a full-time secretary to succeed the well-known Russell Thorp, who retired a year ago. The new secretary is Robert Hanesworth, secretary of the Cheyenne Chamber of Commerce and prominent in Frontier Days activities.

Among the resolutions adopted was one condemning the Brannan plan as "unsound economically, and entirely impractical" and Congress was urged to reject it.

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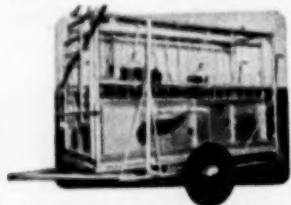
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Palomino Horse Breeders of America Meet

RAY L. MOORE, Briggsdale, Colo., was reelected president of the Palomino Horse Breeders of America at the annual meeting of the organization held at Mineral Wells, Texas, June 3. Jack King, Lincoln, Neb., was elected first vice president; Floyd D. Avis, Jackson, Mich., second vice president; Glen O. Perkins, El Cajon, Cal., third vice president; Leon H. Harms, Albuquerque, N. M., fourth vice president; Dr. Minton T. Ramsey, Abilene, fifth vice president, and Dr. H. Arthur Zappe, Mineral Wells, secretary-treasurer.

Winners in Palomino Show at Mineral Wells

BOOGER BEAR, owned by Jack W. Bridges, Glen Rose, was judged grand champion stock horse stallion of the Texas Palomino Exhibitors Association show held at Mineral Wells June 2-4. The reserve champion was Clover Buck, shown by Bob Lucas, Fort Worth.

Duard D. Wilson, Vernon, showed

Wilson's Little Mary to the grand championship in the stock horse mare division, reserve honors going to School Girl, owned by Ramsey & Marburger, Abilene.

Sky Rocket, owned by Clyde K. Carter, Fort Worth, was named champion pleasure type stallion, and Holland's Golden Bud, shown by R. H. Holland, Perryton, was reserve champion.

The champion pleasure type mare was Madge, owned by Edward Jones, Dallas, and Teddy Bear, shown by Bridges, was reserve champion.

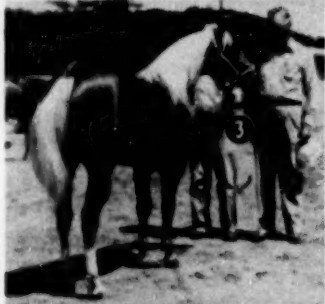
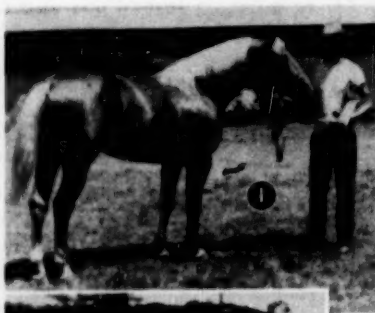
School Girl placed first in the reining class and cutting horse competition.

Quarter Horse Winners at Brownwood Horse Show

MONKEY DEXTER, first prize winner in the class for stallions of 1947, was named grand champion stallion of the Quarter Horse show at Brownwood, Texas. Monkey Dexter is owned by Tex Moody of Stephenville, Texas.

The grand champion mare was Kitten, owned by Gordon Wynn, Wills Point, Texas.

Jess Koy, Eldorado, showed the re-



Champions at Mineral Wells

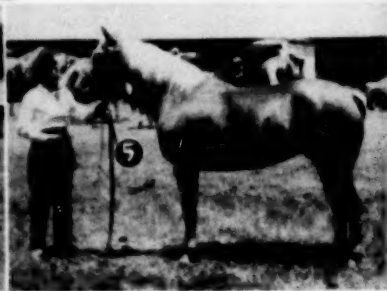
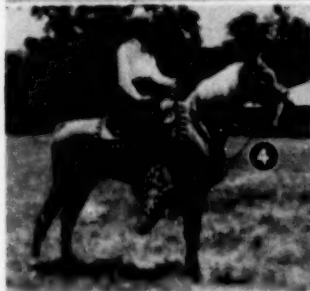
1—Booger Bear, grand champion stock horse stallion, owned by Jack W. Bridges, Glen Rose, Texas.

2—Wilson's Little Mary, grand champion stock horse mare, owned by Duard D. Wilson, Vernon, Texas.

3—Clover Buck, reserve champion stock horse stallion, owned by Bob Lucas, Fort Worth.

4—King Rex, winner in silver mounted class, owned by Mr. and Mrs. G. H. Alexander, Terrell, Texas.

5—School Girl, champion cutting horse, owned by Ramsey & Marburger, Abilene.



serve champion stallion, Koy's Honde K, and the reserve champion mare, Ma.

Quarter Horse awards follow:

Quarter Stallions of 1949: 1, The Mighty VOH, owned by V. O. Hildreth, Aledo; 2, Gold Dodger, Largent & Henderson, Big Spring.

Quarter Stallions of 1948: 1, Borgia, RR Ranch, Rio Vista; 2, Hollywood Snapper, D. G. Strode, Abilene.

Quarter Stallions of 1947: 1, Monkey Dexter, Ten Moody, Stephenville; 2, Joe Mitchell, Frank Carlson, Comanche.

Quarter Stallions of 1946: 1, Honde K, Jess Koy, Eldorado; 2, Royal King, Earl Albin, Comanche.

Grand Champion Quarter Stallion: Monkey Dexter, Moody.

Reserve Champion Quarter Stallion: Honde K.

Quarter Mares of 1949: 1, Ma, Koy; 2, Linda H. Hildreth.

Quarter Mares of 1948: 1, White Sox, M. E. Gore, Comanche; 2, Nettie Simon, Charles Richardson, Olney.

Quarter Mares of 1947: 1, Kitten, Gordon Wynn, Wells Point; 2, Rex Doll, Aaron Eger, Vineyard.

Quarter Mares of 1946: 1, Sunny Silverstone, Frank H. Madison, Rising Star; 2, School Girl, Ramsey & Macbarger, Abilene.

Grand Champion Quarter Mare: Kitten, Wynn.

Reserve Champion: Ma, Koy.

Quarter Geldings, all Ages: 1, Tommy Tatum, RR Ranch; 2, Little Skipper, Buck Williams, Brownwood.

Organize Pacific Coast Cutting Horse Association

At a meeting held in Sacramento, Cal., on June 3 and 4 the Pacific Coast Cutting Horse Association was formed for the purpose of furthering the cutting horse in the four western states of California, Oregon, Washington, and Nevada.

It was found that the formation of this new association would permit those interested in the cutting horse to act upon problems needing immediate attention such as the selection and recommendation of competent judges, helping promote and assist show managers in putting on better cutting horse classes, to advise as to proper arena conditions, to encourage purses and trophies, to inspect and approve arenas, and to advise as to the selection of suitable cattle. The PCCHA has adopted the same rules and regulations as the National Cutting Horse Association, thereby helping to standardize contests wherever held.

Membership is open to anyone sincerely interested in the cutting horse, and all inquiries may be directed to James Woodyard, PCCHA Chairman Organization, 6235 Lankershim Blvd., North Hollywood, California. Initiation fee is \$15.00 and annual dues will be \$10.00.

Mid-North Texas Hereford Breeders Doing Fine Job

THE Mid-North Texas Hereford Association, composed of 69 Hereford breeders in Johnson, Tarrant, Parker, Hood, Ellis, Somerville, Hill and Bosque Counties, is to be complimented on the work it has done since it was organized nine months ago.

R. C. Gage, secretary-treasurer, reports that thus far the association has sponsored an "Alaska" Show in Cleburne; held a field day and annual meeting at the Hutchison Ranch; made a tour of 12 ranches; put a steer on feed which will be given away at the Cleburne District show, September 6; sponsored \$560 additional cash prize offering to its members at the Cleburne District show, September 4-9; and arranged for an association auction sale to be held in Cleburne November 22.

C. S. Hutchison is president of the association, and Jere Swartzell is vice-president.

OJR Royal Prince 11th



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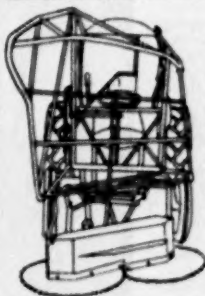
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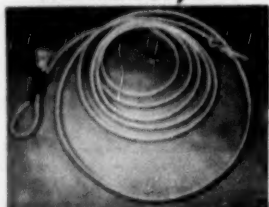
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LENGTH	25 ft.	28 ft.	30 ft.
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Your brand is your coat of arms, but
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Goodrich Quarter Horse

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SUMMARY

6 Stallions	\$ 4,150; avg. \$683
16 Geldings	1,875; avg. 187
37 Mares and Foals	4,710; avg. 127
53 Lots	11,910; avg. 225

ONE of the best-known Quarter Horse
herds in the country was dispersed
at the Goodrich Ranch near Gold-
thwaite May 31. A large crowd included
most of the prominent horsemen of the
Southwest who took home some top in-
dividuals.

Topping the sale was George Hancock,
a seven-year-old stallion by Joe Tom
P-568, that sold to A. R. Eppenaue of
Marfa for \$1,675. This stallion has been
a consistent winner in halter and cutting
horse competition.

Next highest price was \$725, paid by
Louis Brooks, Sweetwater, for Starway,
sired by Oklahoma Star.

Among the mares, top honors went to
Buzzer, a double-bred Peter McCue mare
that sold to Volney Hildreth, Alledo, on
a bid of \$600.

Clay Cleaver, Fort Stockton, paid \$500
for Star Bonnie, a four-year-old mare.

These Quarter horses were owned by
Robert D. Goodrich, Fort Worth, and
were under the management of Glen
Chism.

Col. Walter Britten, College Station,
conducted the auction.

Quarter Horse Champions at Wharton Show

THE Southwestern Using Quarter
Horse Championship Show, held at
Wharton, Texas, June 1-3, attracted
29 of the nation's outstanding horses.
The show, the first of its kind ever held
in this country, was sponsored by the
Wharton County Quarter Horse breed-
ers and stressed performance as well as
conformation, giving exhibitors an op-
portunity to show what their horses
could do under saddle. The five events
of the show included conformation, rein-
ing, cutting, roping and short racing.

Sonny Rondo, owned by Fordtran John-
ston, Junction, Texas, was declared
champion in the stallion class. This out-
standing get of Sonny Kimble set the
pace for conformation and placed high
in the other four events to accumulate
the highest total. Close behind the cham-
pion was Kimble Joe, a half brother,

Winners and offi-
cials at Southwestern
Using Quarter Horse
Show: Left to right
—George H. North-
ington III, chairman;
Chubby Ann, grand
champion mare, Mat-
lock Rose up; J. B.
Ferguson, president
Wharton County
Quarter Horse
Breeder; Domingo,
grand champion
gelding, Noyes Evans
up; Hugh Bennett of
Colorado Springs,
judge; Sonny Rondo,
grand champion stallion,
John Clark up.



owned by Lester Goodson, Magnolia,
Texas, who was declared reserve cham-
pion. In third place was Hobokom, owned
by George H. Northington III, Egypt,
Texas; fourth, Speckles, owned by Claude
Mullins, Hallettsville; fifth, Billy Man,
owned by Leonard Harper, Houston; and
sixth, Sonny Cooke, owned by L. B. Snyder,
Corpus Christi, Texas.

Chubby Ann, owned by the Goodson
Stables, was named champion mare, fol-
lowed closely by Mistake, owned by Hollis
Pace, Egypt, Texas, who was reserve
champion. Other mares finished as fol-
lows: third, Peg, owned by Jack Mehrens,
Richmond, Texas; fourth, Annie Faye,
owned by J. B. Ferguson, Mackay,
Texas; fifth, Miss Queen, owned by J.
B. Ferguson; and sixth, Sweetie, owned
by S. C. Border, Hungerford, Texas.

Noyes Evans, Uvalde, Texas, owned
and rode the champion gelding, Domino,
and also rode the reserve champion,
Tony Waggoner, owned by J. Brown Cat-
birth of Houston and Uvalde. Gulf Pride,
owned by Hasael Clark, El Paso, Texas,
placed third; Pat, owned by Jay Fimble,
Victoria, Texas, was fourth; Joe Thomas,
owned by Ralph Watson, fifth; and Booby
Man, owned by Leonard W. Harper,
Houston, was sixth.

Hugh Bennett, prominent Quarter
Horse authority of Colorado Springs,
Colo., judged the show and highly praised
the quality of the animals entered in the
show. George H. Northington III was
general chairman and announced the
winners.

Paza and Cuban Zebu Breeders Consolidate Activities

JOINT action on the part of the Pan
American Zebu Association and la
Asociacion de Criadores de Ganaderia
Cebu de Cuba has resulted in the co-
ordination of the Zebu cattle appraisal
activities of these organizations, both of
which maintain herd registries for pure-
bred Zebu cattle. Plans for the consoli-
dation of the appraisal programs con-
ducted by the two Associations in the
Republic of Cuba were formulated at a
recent Board of Directors' Meeting held
by the officials of the PAZA in San An-
tonio, Texas, on June 8th.

Celso Gonzalez of Havana, in attend-
ance at the meeting, and representing
the Cuban Zebu Cattle Breeders Associa-
tion, placed the request for such a con-
solidation of effort before the officials

of the Pan American Zebu Association. Sr. Gonzalez is a past President of the Cuban Zebu Breeders Association, and has been very instrumental in the promotion of the Cuban National Livestock Exposition, held in Havana earlier this year.

The creation of a joint appraisal committee to function in Cuba for the two cattle Associations is now pending confirmation of the Cuba Zebu breeders. The early establishment of such an appraisal group, whose members shall be jointly affiliated with both organizations, is anticipated.

The Pan American Zebu Association presently maintains a herd registry for the Indu-Brazil breed of Zebu cattle, and headquarters at Cotulla, Texas. La Asociacion de Criadores de Ganaderia Cebu de Cuba maintains its own Zebu herd registry, and is located at Havana.

F. E. Clark Dispersion Sale

SUMMARY

9 Bulls	\$ 3,745; avg.	\$414
42 Females	14,339; avg.	339
51 Head	20,375; avg.	398

A LARGE crowd took advantage of an opportunity to buy good Herefords in range condition at the dispersion of Dr. F. E. Clark's herd near Cisco, Texas, June 7. Featuring Anxiety 4th breeding, the offering went to some of the best herds in the state.

The day's top price was \$1,725, paid by Emmadine Farms, Breckenridge, Mo., for Donna Agnes 30th, a daughter of Anxiety Domino. She sold with a heifer calf at side by Modest Lamplighter, Jr. Dorana 33d by Domino Lamplighter was the next highest-priced female at \$700, going to J. F. Ross & Son, Goodlett, who bought heavily throughout the sale.

J. A. Queen, Big Lake, took home the top selling bull, paying \$1,375 for the proven herd sire, Modest Lamplighter, Jr., by Modest Lamplighter.

The herd was sold by Col. Walter Britten, College Station.

Green Leaf Farms Hereford Sale

SUMMARY

13 Bulls	\$ 6,330; avg.	\$490
33 Females	36,995; avg.	719
64 Head	43,445; avg.	673

BUYERS from all over the country helped the females to set a brisk pace in Green Leaf Farms' first annual sale at Bonne Terre, Mo., June 5.

Top honors went to the \$4,000 sale of GLF Miss Starlet 2d, a daughter of Baca Duke 2d. She sold to A. H. Karpe, Bakerville, Cal.

Another heifer, a daughter of TT Royal Heir 5th, sold for \$2,500 to Edg Cliff Farms, Potosi, Mo.

Two young bulls were tied at \$1,000 for top price in the bull sale. The first, GLF Royal Heir 37th, a son of TT Royal Heir 5th, went to Mrs. Margaret Collins, Morris, Ill. The other, GLF Larry D. 5th, is by MW Larry Domino 38th, and was bought by John Smallwood, Lawn, Texas.

Auctioneers were Cols. A. W. Thompson and Jewett M. Fulkerson.

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Birchwood Run Hereford Dispersion Sale

SUMMARY			
36 Bulls	\$14,685	avg.	\$542
52 Females	\$2,459	avg.	\$42
116 Lots	\$2,633	avg.	\$92

SPIRITED bidding prevailed throughout the sale as buyers from six states combined to make a very successful event of the Birchwood Run Hereford Dispersion Sale at Rogers, Ark., June 12.

An excellent group of young bulls featured the sale, along with the herd sires. A top price of \$1,200 was paid for Beau Gwen Return 28th, sired by Beau Gwen Return and out of Leola Domino 5th. One of the proven herd sires of the offering, he sold to Simmons and Sons, Mulberry, Ark.

Another of the herd sires offered was Major Birchwood, selling for \$1,000. A son of Domino Birchwood and out of Miss B. S. Birchwood, he went to Dillard Wyatt, Rosie, Ark.

The females were topped by the \$1,025 sale of Miss H. Birchwood 9th, an outstanding daughter of Real Prince D 112th, out of Miss H. Birchwood 6th. She went to Par-Ker Ranch, Chelsea, Okla.

Next highest price in the female sale was \$700 paid by Cedar Lane Farms, Greenville, Miss., for Miss Birchwood 8th by Domino E. Gwen.

Col. W. H. Heldenbrand conducted the sale.

Protein and Disease

THE amount of protein an animal eats has a direct bearing on its resistance to disease, a University of Chicago scientist reports.

Writing in the Journal of the American Veterinary Medical Association Dr. Paul R. Cannon of the University of Chicago said the disease-fighting antibodies found in the blood are made from proteins.

And, if an animal's diet does not contain enough proteins, the body is unable to manufacture sufficient antibodies to protect itself against invading disease germs.

Studies of protein-deficient rats, Dr. Cannon said, show that they cannot withstand infections as well as normal rats. Neither can they be vaccinated satisfactorily against contagious diseases, since vaccination should produce a good supply of antibodies in the blood.

Proteins alone, however, are not the whole answer to disease resistance, Dr. Cannon said. Unless other nutritional elements are fed to an animal, its body is unable to store up supplies of protein for future use.

In other cases, even though the diet is adequate, various types of illness may prevent protein storage, leaving an animal easy prey to infectious diseases.

Protein deficiency does not develop quickly if an animal has been well nourished in the past, Dr. Cannon found. Warm-blooded animals hold on to their protein reserves with "tenacity," he said. Only after prolonged malnutrition do animals lose their defenses against infections.

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Flat Top Monarch Goes to BURSEY'S



FLAT TOP MONARCH

Our breeding program here at Bursey's Hereford Farm has reached the point where another top quality herd bull is needed.

In our wide search for a bull that possesses the individuality and breeding we demand, we looked at many good bulls. Flat Top Monarch, a son of the famous DL Domino, caught our eye in every respect . . . and we feel particularly fortunate that he was offered just at this time. This top herd sire at Flat Top Ranch was for sale only because of their recently inaugurated artificial insemination breeding program.

Flat Top Monarch will share top herd sire duties with our present senior herd sire, Husky's Lad H 109, a son of Husky Domino C 211, the bull Harrisdale Farms showed to many grand championships during his very successful show career.

FOR SALE AT THE FARM

We offer for sale a group of top quality, practical, good doing kind of well-bred Herefords. Both bulls and females are priced to sell!

VISITORS WELCOME

We like visitors who like good Hereford cattle. Whether you are in the market for cattle right now or not, you are cordially invited to visit us and "talk Herefords."

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THE BULL PEN

By HENRY ELDER, Secretary,
Texas Hereford Association.

SINCE our discussion of length of leg in a beef animal in the last issue we have had a number of breeders to commend the article. As one breeder put it, "When we analyze the thing, it seems that we have been making an awful lot of fuss about a mighty little thing." In our discussion we mentioned that four inches out of the shanks of a 980-pound steer affected the dressing percentage less than one-half of one percent. We are not recommending that you raise long-legged cattle, but that you stop and analyze the relative importance of any part of the animal and the practical aspects of it. When we let any one thing overshadow all others without considering the practical end of it, we sometimes get off the road and lose sight of our main objective, which after all is producing more quality beef.

We hear and see a good bit regarding the gains of bulls in sire testing experiments in which the progeny of various bulls are compared in the feedlot. Since most of the reports of these tests give only a part of the story and also since

anyone can take a part of the story and possibly mislead some people, we feel a frank discussion is necessary. Breeders who know us know that we believe very strongly in weight for age, high rate of gain whether on grass or in the feedlot, and also in quality, which adds up to the most profit for the cowman.

We have no argument with anyone. We just think a few folks are being misled for no justifiable reason. If these progeny tests were made in which bulls of equal age were compared and kept at these experiment stations long enough to adjust their previous environment, then the results could mean something. As it is, some groups of bulls in these tests are more than a year older than other groups, which in itself does not give a fair picture. Also these bulls come from varying conditions, some off of good range, some from drouth areas. Those bulls that are extremely thin from drouth areas and also with more age are certainly more likely to gain more rapidly. One breeder reports that another breeder says that he can make his bulls show up much better by starving them a week or more before taking them to the experiment station. If the experiment station would keep the bulls long enough to get them in comparable condition, or rather give them time to adjust their previous environment before the feeding test was started, and also have bulls of similar ages to compare, we think their results might be worth something. Under present tests, we doubt if they are worth much except to the individual breeder who can compare two or more of his bulls.

While the tests show difference in gain, they also show difference in grade about which very little is said. The grade is very important, especially since there is a

margin of about 10¢ per pound between common or medium kind of cattle and quality cattle. In the experiment, the grades varied considerably—such that, had they been steers and placed on the market, there would have been as much as five or six cents per pound difference. There is where the quality of the Hereford begins to pay in dollars and cents. Feedlot gain is important, but it tells only part of the story. There are other progeny tests being planned at experiment stations in Texas. We hope they will be set up such that they will give a more equitable comparison between the sires being tested and that grade and quality will come in for the proper consideration.



Henry Elder

Feeding Protein Supplement to Steers on Dry Bluestem

YEARLING steers fed a protein supplement in addition to dry bluestem pasture during the winter of 1948-49 were in a strong thrifty condition at the close of winter, results of feeding tests at Kansas State College reveal. From December 1, 1948, to May 1, 1949, steers fed one and a half pounds of soybean pellets per head daily gained 26 pounds per steer, while steers fed six pounds of alfalfa hay or three pounds of soybean pellets every other day, gained only about half as much.

Steers self-fed a mixture consisting of cottonseed meal and salt consumed 2.81 pounds of cottonseed meal and 0.88 pound of salt per head daily, and gained 51 pounds.

Prairie hay was fed only when snow covered the grass.

FOR SALE, 2 proven herd sires



DOMINI MISCHIEF, He is for sale

Due to the fact that we are using TT Proud Prince in our breeding program by means of artificial insemination, we are able to offer for sale these two outstanding, proven herd sires.

DOMINI MISCHIEF

BHR Prince 4th
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May 9, 1946.
Ruby J. 3536162

The Prince Domino 20th 2208950	The Fr. Domino 5d
Donette Domino 2143056	Lady Anxiety
Junior Mischief 2506298	Princess Domino
Blanche Domino 41st 2484016	Danette 14th
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	Princess Domino 9th
	Frances Mischief 5d

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Flat Top Return
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474th 3250778

H. Prince Domino B. 164th 2744609	Princess D. Return
Princess Dom. B. 135th 2735061	Lady Anxiety
Don Axtell 39th 3252096	The Fr. Domino 50th
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Horse Handling Science

"Whirl on the Hindquarters"

Editor's Note: This is the twenty-second of a series of graphic descriptions of the science of handling horses. Comments and suggestions are invited.

Written and Illustrated by
MONTE FOREMAN, Roswell, N. M.



THERE'S many ideas concerning just how light a horse can be "reined." Take a look at the illustrations... You'll find the reins are mighty loose—and, as loose as they are, that just a touch of the rein across "some" well trained horses' necks will cause them to roll over their hindquarters, from a stand-still as illustrated—and from one direction to the other—and that's gettin' 'em trained pretty fine!

Some of the cutting horse boys are going to give me "down the country" for letting the public know about this lightness of rein—but, according to the cutting horse rules, "A horse is to be penalized each time he's reined or cued to the right or left." This'll just let you know how light some of us can "cue" our contest horses—and I know seven or eight of the top cutting horses that'll "cue" this way—including mine!

Okay, now you know! Want to learn how to do it yourself?—Well, here's some of the "know-how":

1. Face him toward a barn or high fence, or something he can't get his nose over. You want him to kinda tuck his head, instead of poking it out. (I usually walk my horses down alongside the barn.)...

2. Stop him—Pull him back on his hindquarters—trying to keep his head from star-gasin', then... (Most of the time I use a wire around the horse's neck which I want to work on him about where his neck joins his chest. Using this wire at the same time that I use the bit seems to let me keep off of the horse's mouth—and it makes him get back on his hindquarters better.)

3. Now lean slightly to the rear and toward the direction you're asking him to roll... Then follow with a slight drag of the rein. If he doesn't go back and roll over his quarters, you might use a stick or piece of twisted hailing wire, to pop him just where the rein touched, so that he'll respond easier to the rein. We talked about the use of this stick in the last issue. If you taught your horse lightness with the aid of a stick, chances are you'll have very little trouble getting him to go away from it now. I can't tell you how important it is to rein your horse close to his withers. It's physically impossible for a horse to really handle when reined from out between his ears—sure, he might get by—but that's just about all!

When the horse rolls and sets his front feet down, don't let him get off his hindquarters by letting him take a step forward. When he lands make him back up a few steps—then roll him the other way.

This is mighty hard work on a pony. It takes a lot of time, know-how, and patience. I've been working on one of my ponies for two months and still haven't got this down satisfactory yet—course I'm after the perfect.

Here's a few other things you may learn about this turn: Note the position of the horse's feet—he keeps both hind feet in the same place... just spins on 'em and is ready to spin right back. There's no taking either hind foot off of the ground when you get this half-way whirl on the hindquarters down just right!

This hindquarter whirl is something that a cutting horse has to use an awful lot—especially when a cow is really trying to

WARNING!

TO QUARTER HORSE OWNERS

Register Your Horses

Now and

AVOID PENALTY

You have only until December 31, 1950, to register your foals of 1950 and older into the Appendix without penalty. This includes breeding stock as well as those that you expect to race. However, during the year 1950, horses two years old and older that meet the requirements of the Association in regard to bloodlines, conformation and performance may be registered directly into the Tentative Registry without having to go through the Appendix.

Any horse that meets the basic requirements of the Association in regard to color, etc., and that is not already registered by a breed association recognized by the AQHA, may make application for registry in the Appendix of the AQHA Stud Book. Inspection is not required, and up until December 31, 1950, a flat fee of \$5.00 will be charged.

After January 1, 1951, all foals must be registered into the Appendix for the purpose of identification and qualification except those whose sire and dam are both registered in the Permanent Stud Book.

Avoid the Rush!

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NOTE: We will gladly answer any question regarding registration if you will write us. Application blanks sent on request.

The American Quarter Horse Association

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come through him. I've used my contest cutting horse CHACHO as my model for the drawings. This old Yellow Stud does a pretty good job at contests too. He started working cattle seven months ago, after being a dude woman's pleasure horse for eight years. He's a son of Billy Van, a quarter of a mile running horse.

CHACHO and I have been in seven contests—been in the money every time but the first—and the cutting boys didn't think he should have been out then.... Last month we took a five thousand mile trip to four shows—won two and second in two! CHACHO is an eleven year old double registered Palomino Quarter Horse Stallion belonging to Howard Babcock of Roswell, N. M. Yeah, I can hear some of you fellers snort, when someone says a Palomino horse can work—but, Mister, when he can work good enough for the cowboys to start calling him a "Dun" you're a horseback.... This is old "Dun" Chacho I'm talking about!

Wharton County Using Quarter Horse Sale

SUMMARY
28 Lots \$7,345; avg. \$262

DESPITE heavy rains, a good crowd was present for the Wharton County Using Quarter Horse Auction held at Wharton, Texas, June 3.

Topping the sale at \$1,000 was Mistake, the reserve champion in the show. A daughter of Haymaker, and out of a Noelke mare, she was consigned by Hollis Pace, Egypt, Texas, and went to Bud Wiedemeyer.

Next highest sale was realized when Jo Jo D., a stallion by Joe Louis, consigned by S. W. Dayvault, Glenflora, Texas, sold for \$975 to W. J. Davidson.

The sale was managed by George Northington of Egypt, Texas, and Col. Walter Britten of College Station sold the offering.

"Wonder Drug" Speeds Growth of Hogs and Poultry

AUREOMYCIN, the "wonder" drug used by doctors to fight human diseases, has now been found to produce a remarkable increase in poultry and hog growth when added to feeds. This announcement was made by Lederle Laboratories Division, American Cyanamid Company, Pearl River, N. Y.

Research workers at Lederle stated that the speed-up in growth caused by giving hogs and poultry feed containing Lederle's Animal Protein Factor Feed Supplement (APF No. 5), which has been available for many months, increased growth by as much as 50 per cent. Five pounds of the Aureomycin-processed supplement provides sufficient APF for a ton of poultry mash. This poultry supplement is available in both dry and liquid forms. The supplement is added in a larger quantity when used for hog feed.

Lederle spokesmen emphasized that the new material is available only from feed manufacturers, and cannot be ordered directly from Lederle Laboratories. Most feed men, they added, can supply detailed information on the supplement, but if further data is needed, it can be obtained from the Animal Feed Department, Lederle Laboratories Division, American Cyanamid Company, 30 Rockefeller Plaza, New York 20, N. Y.

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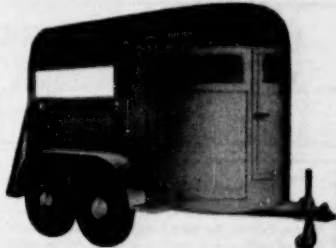
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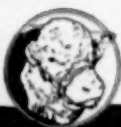
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Home of the Star Domino Polled Hereford
Cattle and Registered Angora Goats.

J. W. WINKEL

R. F. WINKEL

LLANO, TEXAS

POLLED HEREFORD CATTLE HERD BULLS

Rollo Mischief 1st, 3878303-195644

Plato Domino 37th, 4768401-265570

These bulls are used on cows of Woodrow and Plato bloodlines.

We always have something for sale.

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QUALITY Polled Herefords

HERD SIRES:

- Bone Blanco 53rd
- Domestic Mischief 53rd
- Texas Real 9th
- N W Real Domino
- N W Real Domino 26th
- N W Real Domino 36th

COWS are mostly daughters of:

- Bone Blanco 53rd
- Domestic Mischief 53rd
- N W Real Domino
- Dr. Spartan 9th

★ We have nothing left for sale, now. Will offer Quality Polled Herefords for sale this fall. ★

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Yearling Bulls and Heifers
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Cows of Woodrow and Domestic Mischief breeding. Also borned cows from the Mowal and Strubling herds.

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Texas Polled Hereford News

By HENRY FUSSELL, Secretary
Texas Polled Hereford Association

CIRCLE K STOCK FARM, Arlington, Texas, established by the late Arthur L. Kramer of Dallas, has been purchased intact by Mr. and Mrs. Charles R. Mathes of Fort Worth, Texas, including land, improvements, farm machinery and cattle. The operation of Circle K Stock Farm will be continued under the management of Hubert S. Redding, who has been manager of the farm for several years. Mr. Mathes advised there will be no immediate change in policy in the operation of Circle K Stock Farm, and the management will be entirely up to Mr. Redding. The new owner of Circle K Stock Farm formerly lived in Arlington, Texas.

The Polled Hereford herd of breeding cows at Circle K was assembled by the late Arthur L. Kramer by purchasing top quality females from the leading breeders of the United States, and they are producing some very high quality calves.

Mr. Redding will be assisted in handling the show cattle by Harold Reynolds, who has been with Circle K Stock Farm for a couple of years. The Circle K show string will be exhibited at Dallas during the Texas State Fair next October, and it is their intention to exhibit at all major shows. The four head of top quality Polled Herefords Mr. Kramer had promised to consign to the Polled Hereford sale at Dallas during the fair will be sold in the auction on October 11th.

Mr. Mathes manufactures air conditioning equipment and owns a plant in Fort Worth, which he advised is taking all his time at present. For this reason the management of Circle K was turned over to Mr. Redding. Mr. and Mrs. Mathes have three small children, two girls and a boy, Charlotte 7, Ann 5 and Robert 3. They are a very pleasant family and the Polled Hereford breeders will enjoy knowing them.

Letter from Joe Mock, manager, Marshall (Texas) Chamber of Commerce, advises they will have a separate classification for Polled Herefords in their show during the fall Central East Texas Livestock Show, which is an annual event at Marshall. We do not have the dates for this show, but will advise you in the August issue. Polled Hereford breeders who wish to exhibit their cattle at Marshall this fall, write to Joe Mock and get entry blanks and other details.

While in Hondo, Texas, county seat of Medina County, a few days ago, we called the old drug store cowboy, Hartley Howard, and he drove over, and in company with Dr. E. L. Kelley, we visited the Kelley Ranch, and looked over his good Polled Hereford cattle. Dr. Kelley has an outstanding baby bull calf he advised he will exhibit in the Polled Hereford show at Dallas next October. We are always glad to see these good cattle come into the shows. Dr. Kelley was formerly veterinarian for the Valdina Farms at Hondo, but is now ranching and practicing veterinary at Hondo.

Leaving Hondo Hartley and I drove over to his place near Devine and looked over his cattle, and found them in mighty fine shape. He has good grass, his crops are doing good and all in all his place looks mighty fine. However, they are having a bit of worm trouble in South Texas. They have had good rains in that

area this season, but could use a little moisture at the present time.

We drove from Hartley's place to J. A. and Butch Roberson's place and looked over some of his good Polled Herefords, and incidentally, saw three baby bull calves that had recently purchased from Mans Hoggett, and are developing them into good herd sires. The Roberson cattle looked mighty good.

While in Refugio a few days ago I endeavored to get in touch with J. D. Shay, but he was out of town, therefore did not get to look at the Shay cattle; but no doubt, his two sons, Wallace and Lawrence, are doing a good job of taking care of them. J. D. Shay is one of the largest Polled Hereford operators in South Texas.

Called on the "Old Trader," Perry Kallison, but found that the legal machinery had made a good citizen out of him, and had him on the grand jury. However, Miss Doris, his secretary, advised that everything was getting along all right in that territory.

A note from John Trenfield advises they have had good rains around Follett and his grain looks good and his cattle are doing well.

President Joe Weedon of the T. P. H. A. has announced the appointment of the show and sale committee for the Fort Worth Polled Hereford show and sale. Jim Gill, chairman, Claude McInnis and Carl Sheffield, members. They will attend to all the details of the arrangement for the show and sale, including selection of a judge, auctioneer, and other incidentals in connection with the show.

The Oklahoma Polled Hereford Association has announced their annual herd tour of Oklahoma Polled Hereford herds for July 11 and 12. The tour will visit the herds of Nick Karmer, Douglass, Oklahoma, and continue to the herds of Harold Hunter, Muskogee; George Gilger, Enid; Clifford Crites, Lahoma; Joe Champlin, Enid; John Buckles, Dacoma; Scott Cummins, Freedom; Robert Rutledge, Mooreland; John Trenfield, Follett, Texas; Don Rader, Shattuck, Okla.; Frank Gilliland, Crawford; E. C. and A. L. Stinson, Hammon; and L. M. Stout, Butler. All Polled Hereford breeders and enthusiasts are invited to attend. Ugh! watch those Polled Herefords march!

Wintering Yearling Steers on Dry Bluestem Pasture

TWO-THIRDS of a pound of gain per head daily was made by steers on dry bluestem pasture supplemented with two pounds of soybean pellets per head daily, it was revealed in results of feeding tests announced at the recent Kansas State College Livestock Feeders Day. From one-fourth to one-third of a pound of gain per head daily was made by steers wintered on bluestem pasture supplemented with four pounds of soybean pellets fed every other day, or seven pounds of alfalfa hay fed per head daily, or self-fed a soybean oil meal and salt mixture.

The salt was mixed with the soybean oil meal to limit its consumption and make it possible to self-feed the protein supplement. The proportions of soybean oil meal and salt were 100 pounds of soybean oil meal and 35 pounds of salt. This mixture limited meal consumption to two pounds per head daily.

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Hill Polled Hereford Ranch

Herd Sires: T. Mellow Conqueror 2d, Comprest Domino A, Don Domino, H. Royal Rollo 3d, H. Prince Rollo 2d, Aztec Domino 3d, Domino D. Blanchard 50th and Bonnie Lad.

FAIRFIELD, TEXAS

J. D. SHAY

REFUGIO, TEXAS

Largest herd of Polled Herefords in South Texas

The Cattleman is the most widely read publication of its kind in the country.

J. D. Craft Polled Hereford**Dispersion**

SUMMARY			
64 Bulls	\$ 34,525; avg.	5435	
427 Female	217,130; avg.	474	
541 Head	354,235; avg.	479	

BUYERS from 12 states were listed in the sale column at the close of the J. D. Craft Dispersion of the Lewis Johnson half of the Johnson Bros. Polled Hereford Herd held at Jacksboro, Texas, June 26 and 27.

The top bull was Real Domino 53rd, a grandson of Real Silver Domino 44th and out of a daughter of Bonnie Russell 17th that went to Dr. Jack Skiles, Denton, Texas, at \$1,650. The next top bull was a four-year-old son of Woodrow Mischief 4th and went to Dan Brunson, Bunkie, La., at \$1,350. While no extreme prices were paid for either the bulls or females, a good demand was indicated for both and several sold for over \$1,000.

The top of the entire sale was reached on a four-year-old daughter of P. Domino Mischief 38th with a bull calf at side by Domestic Anxiety. This outstanding cow and calf went to Henry Watson, Memphis, Tenn., at \$2,000. The next top female was \$1,300 and went to Seco Farms, Arcadia, Mo., on a daughter of Domestic Mischief 6th. Included in the

sale were 291 calves that sold with their mothers, indicating the productivity of this herd.

What was considered the largest Polled Hereford Sale ever held showed a wide distribution at the conclusion. States represented were Oklahoma, Kansas, South Dakota, Mississippi, Tennessee, South Carolina, North Carolina, Arkansas, Georgia, New Mexico, Missouri, and Texas.

The auctioneers were A. W. Thompson, G. H. Shaw, W. H. Heidenbrand, and Walter Britten. The sale was managed by O. R. Peterson, National Auction Company.

Breeders of livestock will find The Cattleman an effective medium in which to advertise their stock. Become a regular advertiser.

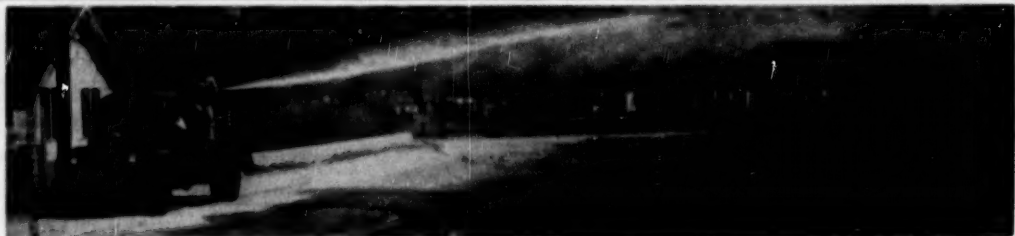
**Effect of Withholding Salt on Steer Gains**

OVER a 327-day period steers allowed free access to salt gained 65 pounds more than steers not having access to salt, feeding tests at Kansas State College reveal. Both lots were treated similarly throughout the trial except that one lot was allowed free access to salt and the other was not. The calves were started on test December 18, 1948, wintered on dry grass, used in a spring digestion trial, grazed, then full-fed in the dry lot and marketed December 2, 1949.

During the winter of 1949-50 steer calves with free access to salt gained 1.26 pounds per head daily, calves allowed no salt gained only 0.65 pounds per head daily. The amount of feed required to produce 100 pounds of gain was almost twice as high for the calves not allowed access to salt.

Enclosed find check for \$2.00 for a year's subscription for the one and only, no other of its kind, The Cattleman magazine. This is my first subscription, but I have been reading The Cattleman for quite a few years and enjoy it very much.

—Melvin Jansen, Salado, Texas.

**FIRE! Protect against fire for only \$1,750****What would a building fire or a GRASS FIRE cost you?**

Through a volume purchase of U. S. Army Air Force Fire Trucks we can furnish you, for only \$1,750 a complete, mobile unit with the following features:

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Attention: All Pictures in This Advertisement Were Taken While Unit Was Traveling Ten Miles Per Hour . . .

Goodbye, Mr. Prairie Fire!

Texas Aberdeen-Angus News

By HOWARD L. RICH, Secretary-Treasurer
Texas Aberdeen-Angus Association

THOSE who attended the Annual Distribution Sale of Aberdeen-Angus cattle at San Angelo on June 7th should realize the tremendous gains made by the Blacks in the last three years. H. E. McCulloch, operator of the San Angelo Livestock Auction Company, has been in charge of selling the cattle each year and he has seen the sale grow from a two or three hundred head consignment that attracted only local interest, to this year's sale of approximately three thousand head. Buyers and sellers were present from almost all of the southern and southwestern states, with the sale extremely active and at good prices. Top bull of the sale was Master 23d of Essar, consigned by Jess Alford of Paris, Texas, and purchased by the Sol and Ernestino E. Mayer Trust of San Angelo for \$1,800. Plans are already being made for another sale in 1951.

The succession of Field Days which are being held over the state by Aberdeen-Angus breeders are generally of benefit to everyone engaged in the live-



Howard L. Rich

stock business as well as the general public. The programs are widely varied and are not limited to those people or subjects which are directly connected with Angus cattle. The firm of Johnson & Moore, of Eldorado, Texas, was host to more than 350 people on June 14th, and one of the main talks was given by P. T. Marion of the Spur Experiment Station on the subject of range conservation and mesquite control. A weight-guessing contest on a 1700-pound cow proved very popular with the crowd, as did, of course, the good barbecue dinner prepared under the supervision of Mr. Orland Harris of Eldorado.

Folks in East Texas had the pleasure of being guests of Homer Deakins of Longview on June 20th at another of these Field Days. There again, the day was filled with entertainment and education. Several more of these gatherings are being scheduled for this summer and fall and dates and locations will gladly be furnished upon request.

The Texas Aberdeen-Angus Association has selected the East Texas Fair being held September 11-16, at Tyler, for the first Official Texas Aberdeen-Angus Show and Sale. C. R. Heaton, secretary-manager of the fair, is cooperating to the fullest with the Texas Angus officials and there is little doubt that livestock exhibitors will find it to be one of the most successful shows of the year. A few more entries are needed for the consignment sale and the sale manager, A. M. Wilkins of Henderson, Texas, will be glad to furnish entry blanks.

Mr. Advertiser: Your sales message in The Cattleman reaches both purebred breeder and commercial rancher.

Tarkio Lakeside Aberdeen-Angus Dispersion

SUMMARY

44 Bulls	\$ 36,185; avg.	\$796
524 Females	352,694; avg.	673
576 Head	388,879; avg.	671
35 Gr. Hfs.	32,338; avg.	926

THE Tarkio Lakeside Aberdeen-Angus dispersion, the largest sale of Angus cattle from the point of numbers ever held, brought more than \$400,000, with an average of \$447 on the 870 registered cattle in the offering. The cattle were acquired by Roy G. Johnston, Belton, Mo., and Frank R. Bosler, Laramie, Wyo., from A. H. Schmidt & Son who had bred and developed them over the past quarter of a century on their Tarkio Lakeside ranch near Laramie.

The above average was considered exceptionally good in view of the fact that there were no particularly high prices and then, too, the large number in the offering would necessarily include many young and some less desirable animals.

The top price was \$1,475, paid by A. C. Fender, Belt and Armington, Mont., for Tarkio's Prince 44th, a 1944 son of Prince Tarkio 1329th.

Bill Ackard, Denver, topped the females, paying \$1,000 for an eight-year-old daughter of Bailiff of Birmingham.

Nineteen states were represented in the list of sales. Buyers from Texas included Higgins Brothers and L. D. Winzor of Textline; Art Newcomb, Hamlin; Roger Pearson, Perryton; L. R. Conner, Farnsworth; Terry Dalehite, Pearlsall; and A. C. Chesher, Littlefield. Oklahoma buyers included Carlton Corbin, Ada. Will Knight, Shreveport, La., also bought a number of cattle.

ANGUS

ANGUS

DISPERSAL SALE

H. E. McCulloch's

REGISTERED ABERDEEN-ANGUS

At San Angelo, Texas, September 6, 1950

I am selling my entire registered herd of Aberdeen-Angus, featuring the service of PRINCE 20th of ESSAR, bought last Fall at the Brook-Essar-Shahan sale for \$2,000. He is an outstanding son of MASTER PRINCE 2d, the featured herd sire of Essar Ranch.

H. E. McCulloch

OFFERING

- 20 cows with calves at side, re-bred to Prince 20th of Essar.
- 35 cows, heavy with calf by Prince 20th of Essar and my old herd bull, Blackmore 6th of Sunbeam.
- 20 heifers, bred to Prince 20th of Essar to calve at about 24 months of age.
- 10 open heifers, sired by Prince of Lowland 13th, who was a son of Prince Sunbeam 25th.
- 10 bulls of breeding age, sired by Prince of Lowland 13th.
- 12 bull calves and 12 heifer calves sired by Blackmore 6th of Sunbeam.

SEPTEMBER 6th

Sale to be held in the San Angelo Livestock Auction Co. sales ring, San Angelo.

H. E. McCulloch, San Angelo, Texas

Homer Deakins & Sons Hold Angus Field Day

THE Texas Aberdeen-Angus Association met June 20 for a field day as guests of Homer Deakins & Sons, Longview.

Many prominent breeders were present, representing the entire Southwest. They were shown several groups of well-bred cattle in top condition on excellent pasture.

During the morning program, the visitors were directed through a show barn full of well-fitted animals, among which were the herd sires, Bardolier Burgess and Master Prince of Deakins.

The assembly was addressed briefly by several visiting officials, including Luther T. McClung, Fort Worth, president of the Texas Aberdeen-Angus Association, Milt Miller, fieldman for the American Aberdeen-Angus Association, and Carlton Corbin, Ada, Okla. Angus breeder. Dr. A. C. Sears, a Longview veterinarian, discussed the benefits to cattle resulting from improved pastures and mineral supplements.

A barbecue was served at noon, after which a tour was conducted over the farm. Here the group saw some excellent clover, bermuda and Dallia grass pastures, grazed by top quality Angus cattle.

The program was concluded with a type demonstration by Miller on both sexes of Aberdeen-Angus.

Angus Transactions

Jack Harris, a 4-H Club boy of Plainview, has started another registered Aberdeen-Angus herd in Hale County with the purchase of four registered heifers from Norman McAnelly, Tulia. Harris is using as herd sire a good son of Prudent Erica 35th.

Drs. Witt and London, Groom, purchased a nice group of females from Lowland Farms, Fort Supply, Okla. They are using as their herd sire Black Peer 35th from the Bradford herd, where he now has a promising calf crop on the ground.

The Bradfords, Happy, Texas, recently sold one of Alford's Quality Prince heifers, a good Lady Ida, to Jess B. Alford, Paris, for \$1,800.

T. D. Williams, Jacksboro, Texas, bought 52 pairs of commercial cows and calves from Paul Raney, Jermyn, Texas, at \$325.

J. V. Hampton, owner of Sondra-Lin Stock Farms, recently bought the old Stonestreet Ranch consisting of about 2,500 acres located north of Fort Worth.

Joe Hatten of Edmond, Okla., became the new owner of three cows, selected from the herd of Howard L. Datin of Guthrie, Okla.

Among the heavy buyers at the Tarkio sale at Laramie, Wyo., were Roger Pearson, Booker, and A. C. Chesher, Littlefield, who bought 68 head.

M. T. Knox transferred two bulls to W. B. Morgan, and a bull to L. E. Mann, all of Cleburne; also a bull to T. O. Tietz of Rio Vista; all reside in Texas.

Two cows and a bull have been selected from El Rancho Shangri-La of Sanger by W. E. Roane of Valley View, both of Texas.

Keillor Ranch of Austin, Texas, became the new owner of two cows and a bull purchased from Beeken, Beeken & Sons of Dunning, Nebr.

THANKS

We take this means to express our sincere thanks and best wishes to the following Texas buyers of our cattle:

BULLS

Roy Pyeatt, Nazareth
H. V. Crawford, Hereford
W. A. Pearson, Ralls
J. L. Boydston, Tulia
and

Drs. Witt and London of Groom, who purchased a bull that has sired an outstanding calf crop for us—Black Peer 35th of Angus Valley.

FEMALES

Mrs. Loretta L. Dorris, Happy
Norman McAnelly, Tulia
Milt Miller, Brady
D. O. Robason, Jr., FFA Boy, Friona
Mote Bros., 4-H Club Boys, Tulia
and

Jess B. Alford of Paris, Texas, for his purchase of Alford's
Ida A. at \$1800.

Visitors Cordially Invited

Bradford's Registered
ABERDEEN-ANGUS
Cattle
CLYDE E. BRADFORD and MERRILL BRADFORD, Owners Address: Route 1, Happy, Texas
Ranch Located 1 1/2 miles west of Kaffir Switch, off U. S. 87, halfway between Tulia and Happy

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Home of the famous "Reveries,"
"Repeaters" and "Chimeras"

You are invited to inspect our show herd at the shows and to visit the farm whenever possible.

We breed our show cattle and show our breeding cattle.

Seed Stock Always for Sale

JAS. B. HOLLINGER

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Registered and Commercial

ABERDEEN-ANGUS

Using the top-selling bull from the Phoenix sale and another outstanding bull from the San Angelo sale. Specializing in a heavier, beefier type of Aberdeen-Angus.

BEN P. SNURE, JR.

APACHE, ARIZONA

Use J BAR A Angus

Homeplace Eileenmere 45th
Chief Herd Sire by Eileenmere 487th
His get carries scale, bone and natural
fleshing qualities.

DR. J. B. RENEAU, JR.

MUNDAY, TEXAS

The Cattleman's Annual Horse Issue will be off the press September 1.

Get your advertising copy in promptly.

A TOP ANGUS HERD BULL

Our proven herd sire carries this top pedigree... his calves prove its value.

EVER QUALITY LAD 445638

EVER PRINCE OF SUNBEAM 467927	Black Prince of Sunbeam 564521	Black Power of St. Albana 464526	Erie Revolution 464501
		Pride 17th of Sunbeam 467797	Blackcap Glenbrook 5th
		Kiln of Sunbeam 467496	Playman of Sunbeam
		Kraline E. 4th 462479	Eley's Pride Elcor
		Quality Marshall 3d 462479	Kilnmore 11th
		Eton of Quality 462388	Kiln of Glenbrook 12th
		Blackcap Miss Quality 462196	Enochie Elip
			Eraline of Fairholme
			Karl Marshall
			Queen McHenry 58th
			Slider 567645
			Erica Khora 3d
			Karl Marshall
			Queen McHenry 58th
			Slater 566477
			Blackcap of Rosegift

THIS GOOD SON OF EVER PRINCE OF SUNBEAM

is siring really good calves for us—both bulls and heifers. We would be happy to show you these outstanding calves and this top herd sire.

OUR FIRST SALE SEPT. 23—WATCH THE CATTLEMAN

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Prince Peter—2053672

... For Sale at the Farm ...

Twelve dark colored bulls, ten to fifteen months old, sired by Prince Peter (pictured), Edellyn Royal Leader 14th, Westmorland Prince, Prince Peter Albert, Prince Peter Choice, Prince Peter Ladas, and Prince Peter Ransom 4th. Modern type and in excellent condition.

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Popular bloodlines. Desirable
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The Aberdeen-Angus Journal

Box 200, Milledgeville, Georgia

San Angelo Aberdeen-Angus Distribution Sale

SUMMARY

41 Bulls \$24,780; avg. \$604

ON June 7, 1950, the Sixth Annual Aberdeen-Angus sale was held in San Angelo, Texas, and sponsors said the 3,600 head changing hands at this sale was the largest such offering of a single breed ever made anywhere.

Top price of \$1,800 for Master 23d of Essar, a 2 year old bull, consigned by Jess B. Alford of Paris, Texas, was paid by the Sol and Ernestine E. Meyer Trust of San Angelo, Texas. Forty-one registered bulls sold for an average of \$604.39 a head, \$106 more than last year's average of \$498.

The real feature of the sale, however, was the commercial offering, with the strongest demand ever shown at the sale for commercial females of all ages.

One of the heaviest buyers of the sale was H. R. Burton of Ennis, Texas, who bought five bulls for a total of \$2,900. He also bought 165 females, including a large number of heifers, at around \$150 a head.

Willis Burke of Mertzon, Texas, paid a total of \$2,085 for four bulls and bought 56 pairs of cows and calves at \$262.

Top price in the female sale was paid by H. B. Fain of Amarillo, Texas, who bought nine pairs of cows and calves at \$370. Other purchases by Fain included 65 heifers at \$165, 68 heifers at \$180 and 10 dry cows at \$230. In the bull sale, he bought three head for \$1,405.

Other buyers included T. V. Stockton, Ennis, Texas; O. W. Vickers, Uvalde, Texas; C. O. Davis, Brownwood, Texas; Joe Gardner, Roosevelt, Texas; Fritz Wennmohe, Marble Falls, Texas; Ben P. Snure, Rodeo, New Mexico; L. Blanton, Hereford, Texas; Leo Hoffman, Mason, Texas; J. M. Lemmons, Palo Pinto, Texas; Anderson and Tully, Yakima, Mississippi; W. R. Cooper, Seymour, Texas; and E. H. Coffield, Del Rio, Texas.

Buy Healthy Stock, Then Double-Check, Farmers Told

BE sure as possible that you're buying sound, healthy stock—and then, for a double-check, keep the new animals apart from the home herd for at least a month after you bring them on the farm.

This advice is passed along to farmers in a new bulletin issued by veterinary medical authorities.

Additional advice offered is: Make a careful inspection of animals you propose to buy, and find out as much as you can about their history; have them tested for disease, making sure that tuberculosis and brucellosis tests top the list if cattle are involved; inspect them daily during the quarantine period, and have them re-tested at the end of the quarantine before allowing them to mingle with the home herd.

Careless purchasers of herd and flock replacements often end up with disease breaking out all over the place, the bulletin warns.

Breeders of livestock will find The Cattleman an effective medium in which to advertise their stock. Become a regular advertiser.

The Cattleman's

WASHINGTON ROUND-UP

By THE CATTLEMAN'S Special Washington Correspondent

Farm Price Support—Hearings on a new farm price support bill will get under way in the House Agriculture Committee this month, and probably will drag out for most of the remainder of the session.

The hearings are expected to deal mainly with a different price support method for perishables, largely livestock, dairy and poultry products. The rate of support prices for "basic" crops in the years to come also will be an issue.

Leaders hope to get new price support bills introduced before the session ends. There are two principal objects for this.

One is to get the preliminary "educational" work out of the way this summer to clear things for action next winter.

The other is to provide a way out for Democrats who will be up for election this fall who are afraid to campaign on the Brannan farm plan.

Southern leaders who have always wanted high support prices for "basic" commodities also can be expected to drive hard for continued 90 per cent of parity loan rates in 1951 and later years.

Loan rates for wheat, corn, cotton and the other basic crops will drop down to a range of 80 to 90 per cent of parity next year, unless the present farm law is changed.

As the law now stands, any of these crops in fairly large supply would receive the minimum 80 per cent of parity loans in 1951, instead of the present 90 per cent.

Northern and Eastern dairy and poultry interests have been having their price troubles this spring and summer. There is a good deal of agitation for change in price supports one way or another.

Either lower the support rates on feeds, or bring dairy and poultry support rates up in line with feeds. This is the tenor of several bills recently introduced. They haven't a chance to pass now.

The pressures for change aren't strong enough now. But they are symptomatic of what's coming in the future. Most observers here feel that in the long run support levels for basic crops will have to come down, or wider coverage provided for poultry, dairy and livestock products.

Cattle price supports haven't figured in the discussion at all—and won't as long as the current prosperity in the cattle industry holds.

Hog supports may enter into the discussions, later, depending on what happens to hog prices next fall and winter.

Food Prices—Food prices have been edging up since early last winter, with

retail meat prices climbing more than three times as fast as all foods.

This has brought on some discussion of the possibility of consumer resistance setting in later this summer or early fall, and putting a check on livestock prices.

However, there appears to be little danger of a price reversal setting in within at least the next three months, if then.

The seasonal price swings in cattle have been flattening out. Marketings are likely to be spread out more than usual this year.

Bureau of Agricultural Economics looks for the price peak on the better grades of fed cattle to come earlier this year than last—in late summer or early fall.

Others figure that the peak may not come until October or later, and that the decline following the peak will not be sharp.

Shift in Livestock—A significant report on "Shifts in the Trade in Western Slaughter Livestock" is due out fairly soon. It was prepared by BAE with experiment station men in Texas and 11 Western states.

A preview of the report was published in a recent (May) issue of BAE's Marketing and Transportation Situation. Gist of it is this:

Western livestock population has not kept pace with population growth in the last 25 years and with livestock slaughter.

Livestock production has gone up a third. Population has increased two-thirds. Animals taken by Western pack-

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DEMING DISPERSION AUBREY, TEXAS

This Dispersion presents opportunity to buy females of well-known blood lines and of modern type. Many of these individuals have sold from \$525 to \$2,400 and some of their offspring are serving as Herd Bulls in good herds in Texas, Oklahoma and Georgia.

OFFERING • 30 Cows—17 calves at foot, some re-bred, balance to calve this fall. • **9 Heifers**—some ready to breed. • **3 Yearling Bulls**. • **4 Bulls** of serviceable age, including:

- **H BLANCHARD DOMINO**—A grandson of the famous bull, C W Prince Domino 21st, highest living Register of Merit bull.
- **D SPARTAN LAD**—Sired by Spartan Domino C 177th, a half brother to a bull calf that sold to Mr. Martin Hughes, Hobbs, New Mexico, for \$5,000.
- **Commander MIXER 1st**—Out of a Double's Mixer cow and sired by Haxford Commander, owned by Arledge Bros. of Seymour, Texas.

Quality calves on ground to prove the ability of two of the above Bulls as Herd Sires. Have been offered \$850 for one of them.

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ers for slaughter has more than doubled in the period.

It points to greater opportunities for Western cattle producers and packers; more difficulty for feeders in the Corn Belt to get feeder cattle in the West; and the possibility of opening markets for feeder cattle from the South.

The report suggests a larger future market for grass fat cattle and for finished cattle in the West. It indicates a need for better range management, and could result in some shift of wheat to pasture land.

It may mean more feeding of wheat in the West, should price relationships permit; also pressure to increase barley and production of other feeds.

Continued growth of population in the West, and of livestock slaughter is indicated by the report. By 1955 Western slaughter might increase around 1.2 billion pounds over 1948, assuming a per capita meat consumption equal to 1948, and no great changes in shipments of dressed meat into the West due to freight rate changes.

This would mean 800,000 more cattle in live animal equivalents; 375,000 more calves; 1,100,000 more hogs; and 1,000,000 more sheep taken by Western slaughter plants.

Foot and Mouth Disease—The House Appropriations Subcommittee on Agriculture is due to start hearings in two to three weeks on USDA's request for \$25 million to construct a foot and mouth disease research center.

Site for the proposed center is on Prudence Island off Rhode Island in Narragansett Bay. Congress authorized the research project last year.

USDA originally asked for \$30 million. The authorizing legislation limited this to \$25 million. Present USDA plans call for approximately this amount.

The Senate is expected to be for the appropriation. But it will have rough sledding in the House. With the foot and mouth disease situation improving in Mexico, it will be harder to obtain research funds now than two years ago.

Heifers Full-Fed Corn in Dry Lot Do Better

FULL-FEEDING corn to yearling heifers on bluestem pasture was not as satisfactory as full feeding corn in a dry lot in a test conducted at Kansas State College, the results of which were announced at the recent Livestock Feeders Day. The dry lot fed heifers consumed slightly more corn, sold for more per cwt., returned a greater profit per head, and graded considerably higher in the carcass.

Seven of the 20 heifers full-fed in a dry lot yielded carcasses that graded U. S. Good, whereas only one of the 20 heifers full-fed on bluestem pasture yielded a carcass that graded U. S. Good.



Shrink Is Hard to Figure

By JOHN G. MCNEELY, Associate Professor, Department of Agricultural Economics
Texas Agricultural Experiment Station, College Station, Texas

A FEW weeks ago at one of our larger stockyards a few of us were discussing shrink (or shrinkage) in cattle. The cattle were sold to a packer in the afternoon at so-much per pound, with an option of immediate delivery at scale weights less 4 per cent, or an overnight stand in dry lot and actual weights at 9:00 o'clock the next morning. A commission man said he considered it a 50-50 proposition, giving no material advantage to either party.

A few minutes later as we were discussing shrink with an order buyer, a cattleman called to confirm a contract for fall delivery of his steers. The contract provided that the cattle would be received and weighed at the shipping point after a seven-mile drive. The seller agreed to take 3 per cent shrink on delivery weights.

Most order buyers and commission men believe they can make a good estimate of shrink under most conditions. Any attempt, however, to reduce these personal judgments to arbitrary rule-of-thumb percentages results in considerable differences in opinion. These differences become even greater when cattle owners are asked to give their estimates of shrink.

The agricultural experiment stations of the western states are cooperating in an effort to determine shrink more exact-

ly. This is part of a project for making a "comparison of prices and returns from alternative methods of selling livestock." Shrink is an important point to consider in figuring returns from these alternative methods. The Department of Agricultural Economics and Sociology is responsible for conducting this project for the Texas Agricultural Experiment Station.

Some shrinkage figures are available from the cattle feeding trials made by the Texas Agricultural Experiment Station at its main station and at several substations during the period 1932-49. Records have been kept during each experiment on shrink, dressing per cent and other significant factors in addition to weight gains. These figures show a wide range in shrink on shipments between each feed lot and the central markets as shown in Table 1.

TABLE 1.
Comparison of shrink in steers fed at various substations and sold at central markets.

Location	Market	Distance in Miles	Lbs.	Shrink Per Cent
Beville	San Antonio	92	28-70	3.4-6.6
Col. Station	Houston	91	34-59	4.3-7.7
Col. Station	San Antonio	163	32-41	4.0-5.3
Col. Station	Fort Worth	178	32-78	3.6-6.7
Spur	Fort Worth	239	30-100	3.3-9.8
Big Spring	Fort Worth	282	29-66	3.6-8.5
Amarillo	Fort Worth	337	48-66	4.5-9.2
Balmorhea	Fort Worth	432	41-93	4.1-8.4
Yaleta	Fort Worth	602	44-78	3.9-6.4

Shipments of fed steers from Beville to San Antonio included 282 head shipped at the end of nine annual feeding trials. The smallest shrink of 28 pounds, or 3.4 per cent, was made by 10 steers averaging 827 pounds which were shipped in May, 1940. Two other lots of 10 steers each from the same feeding trial showed a shrink of 35 to 38 pounds, or 4.0 and 4.4 per cent, respectively. In contrast, the largest shrink of 70 pounds, or 6.6 per cent, was from 14 steers averaging 988 pounds which were shipped in February, 1936. Other steers from the same feeding trial had shrinks of 5.6 and 5.0 per cent.

Steers fed at College Station were shipped to Houston, San Antonio and Fort Worth. The heaviest shrink was in a group of 10 steers weighing 762 pounds shipped to Houston in May, 1949, while the lightest shrink was a group of 10 steers weighing 865 pounds shipped to Fort Worth in June, 1933. On the average, the shrink was about the same to each of the three markets.

The longest shipments of fed steers by the Texas Agricultural Experiment Station were from the Yaleta station to Fort Worth, a distance of about 600 miles. Shrink on lots totaling 263 steers ranged from 3.8 per cent in one group of 15 head to 6.3 per cent in a group of 13 head. All of the Yaleta steers weighed over 1,100 pounds. The shrink was actually less than for some lots of steers shipped shorter distances.

The highest average shrink for any station was in steers fattened largely on grass at Amarillo. Most of these steers had about an 8 per cent shrink, except 20 steers shipped in 1946 which had only 5 per cent shrink. Records of many more

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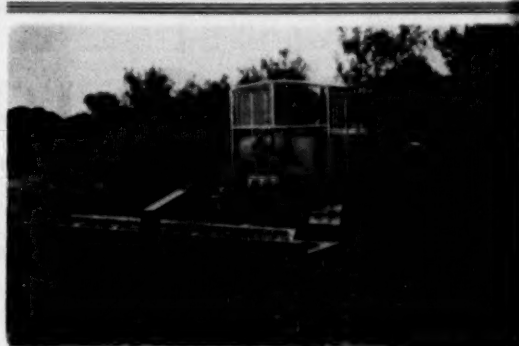
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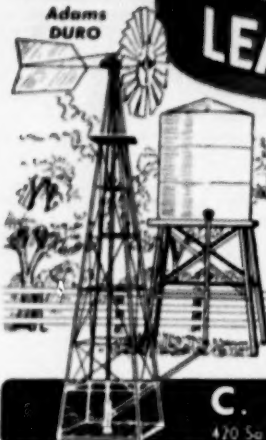
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shipments would be required to show the comparative shrink in shipments by rail and by truck for different distances as well as the comparative shrink for grain-fattened as compared with grass-fattened animals.

Another example of heavy shrink was in five lots of 10 each of 1,000-pound steers shipped from the Spar station to Fort Worth in April, 1937. These steers had from 9.2 to 9.8 per cent shrink. Shipments from the same station the year before averaged about 5.5 per cent shrink and the year after averaged about 8.0 per cent shrink. Lack of information about weather conditions, time en route, and the like prevents a sound explanation of these differences.

After checking available records on shipments of fed cattle by the Texas Agricultural Experiment Station, it is not possible to estimate shrink very closely. More information is needed on the conditions under which the shipments were made. It will be necessary to obtain records on many more shipments and on other classes of cattle than steers before any reliable conclusions could be drawn.

It is particularly difficult to obtain reliable figures on shrink in stocker and feeder cattle and in calves. Most farms and ranches do not have scales and the animals usually are weighed only after some or most of the shrink has occurred. Many animals change hands on a "per head" basis with no weights being recorded. Cattlemen making only a few sales per year are at a disadvantage when selling on a "per head" basis, since the buyers usually are more experienced in estimating weights and the amount of shrink en route to market.

Shrink can be important in determining method of sale since prices at the farm are usually lower than if delivery is made to the railhead or to the buyer's pens. On cattle selling at \$25.00 per hundredweight, 4 per cent shrink means a difference of \$1.00 per hundredweight. Putting it another way, 50 pounds shrink on an animal represents \$12.50. It can be a big enough cost item to consider carefully when agreeing on weighing conditions.

Procedures are being developed in the hope of obtaining enough information on shrink to permit accurate estimates under various conditions. It is essential that all available shipping information be tabulated and conditions under which the shipments took place be described fully. It will be a big help to the current research program if readers having two or more weights on any shipment of cattle and calves will communicate with the author at the Department of Agricultural Economics and Sociology, Texas Agricultural Experiment Station, College Station, Texas. A form will be sent on which to summarize the information needed.



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E. M. Wallace

E. M. Wallace, lifelong resident of DeWitt County and rancher of the Clear Creek community, died May 19 at the age of 73. He had been ill for several years. Survivors include the widow; a brother, W. B. Wallace, Clear Creek; and two sisters, Mrs. H. M. Hodge, Clear Creek, and Mrs. Stevana Roan, Port Arthur; and several nieces and nephews.

Mrs. Annie Laura Craig

Mrs. Annie Laura Craig, widow of the late John H. Craig, Matagorda County rancher, died at her home in East Columbia May 20 at the age of 86. Surviving are two sons, John H. and Weems of East Columbia; a brother, S. S. Weems, Sr., East Columbia; five grandchildren, five nephews and four nieces.

John L. Furneaux

John L. Furneaux, early Texas rancher and cattleman, died in Dallas June 6 at the age of 78. Furneaux was born 16 miles north of Dallas and had lived in or near Dallas all of his life. He was an ardent advocate of improved farming and carried out government programs to improve farm land by scientific terracing and other methods. In recent years he had gradually sold extensive West Texas holdings he accumulated as a cattleman but retained a strong interest in the development of ways to improve land. Survivors include his wife; two sons, W. Fred Furneaux of Dallas and John L. Furneaux, Jr., of Houston; a sister, Mrs. J. R. McFarland of Dallas; a brother, W. C. Furneaux of Carrollton; and a granddaughter.

Bruce B. Duncan

Bruce B. Duncan, 52, rancher and professional panther hunter of the Big Bend area, died May 16 while on the trail of a livestock marauder near Marathon, Texas. The veteran hunter had been called to the Victor Pierce Ranch to track down a panther that had killed livestock and was stricken with a heart attack. Duncan had been credited with killing 61 panthers and saving Big Bend ranchmen many thousands of dollars during the past 23 years. He is survived by the widow of Alpine; one daughter, Mrs. Paul Schrimmer of El Paso; his father, Ben Duncan of Wharton; two brothers, Lee of Alpine and Bob Duncan of Sonora; and a sister, Mrs. Charles Frankum of Wharton.

Stoke Williams

Stoke Williams, 59, Irion County ranchman and administrator of the W. H. Williams estate, died in May at his ranch home near Mertzon, Texas. Williams moved with his parents to Christoval in 1891 and in later years assisted his father in the ranching business. He served in World War I and went into the ranching business upon his return, operating the B. S. Williams and Sisters

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Ranch. He is survived by his widow; three sisters, Miss Mae, Miss Myrtle and Miss Lucy Williams, all of San Angelo; and a nephew, Hayden Ellis.

H. B. Guilford, Sr.

H. B. (Boyd) Guilford, Sr., member of Texas and Southwestern Cattle Raisers Association for over 30 years, died at his home in Hebbroville, Texas, June 4, 1950, after a lingering illness of several years, at the age of 56 years. Until illness forced his retirement, Mr. Guilford was engaged in the ranching business in Jim Hogg and Zapata Counties and for several years operated a cattle trucking line in Hebbroville. One time he was an inspector for the Livestock Sanitary Commission of Texas. A son of the late Mrs. Reuben Holbein, Sr., he is survived by his wife, Mrs. Kallulu Fly Guilford; one daughter, Mrs. C. F. Mitchell, both of Hebbroville; two sons, H. Boyd, Jr., of Foot and Mouth Commission, Mexico; Reuben Dalton of Hebbroville; four grandchildren; his stepfather, Reuben Holbein, Sr., of Hebbroville; four brothers and three sisters.

Mrs. M. L. Steele

Mrs. M. L. Steele, wife of a prominent Hereford and Fort Sumner rancher, died at her home in Hereford, Texas, June 9 at the age of 75. Mrs. Steele was born in Tennessee and moved with her parents to Bridgeport in Wise County in 1881. She was married to M. L. Steele in 1897 in Groom, Texas, where Mr. Steele was president of a bank until they moved to Hereford in 1923. Mr. Steele is now vice-president of the Interstate National Bank at Kansas City and is well known among livestock men over the Southwest. Surviving, besides her husband, are a son, Sam D. Steele Fort Sumner; a daughter, Mrs. J. C. McCracken, Hereford; four grandchildren; one great-grandchild; a brother, Joe Hines, Abilene; and a sister, Mrs. Frank Turner, Decatur, Texas.

Frank Carmean

Frank Carmean, 41, New Mexico rancher and rodeo performer, was killed June 9 when a motor car he was driving was hit by a passenger train at a grade crossing near Des Moines, N. M. He is survived by his wife and two children.

W. E. Cantrell

W. E. Cantrell, former Mills and Lampasas County ranchman, died May 24 in a San Saba hospital following a heart attack at the age of 59. At various times he was engaged in ranching and was a druggist in Lometa for 10 years. Survivors include his widow; two brothers, Earl of Kempner and I. B. Cantrell of California; a sister, Mrs. Willis Rhodes of Graham; and a nephew, Clifford Cantrell of Kempner.

Chris Hutto

Chris Hutto, pioneer Carta Valley ranchman, died May 25 in Del Rio at the age of 59. He had been engaged in ranching all of his life. Survivors include three sons, Ray, Marvin and LeRoy; three brothers, Brunie, Joe and Carl; and three sisters, Mrs. Jess Baker, Mrs. S. T. Wright and Hettie Hutto.

William O. Read

William O. Read, early day trail driver and ranchman, died in a Memphis, Texas, hospital May 31 at the age of 84. Read



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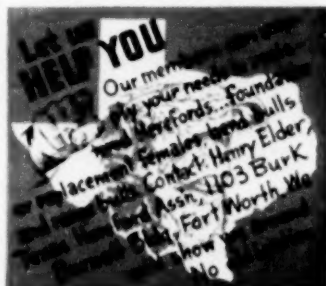
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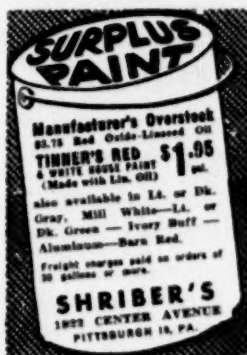
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came to Wise County with his parents when he was seven years old and at 17 participated in a trail drive from Fort Worth to Dodge City, Kans. Mr. Read is survived by his wife, 10 children, F. E. Read, McAlester, Okla., Charley T. Read, Lubbock, Z. L. Read, Amarillo, J. A. Read, Lelia Lake, Mrs. Dona Davis, Bridgeport, Texas, Mrs. R. N. Clark, Leslie, Mrs. Mary Jane Moore, Dallas, Mrs. Everett Hughes, Newlin, Mrs. J. W. Longshore, Lakeview, and Mrs. E. A. Vance, Lefors; 25 grandchildren, several great-grandchildren and a number of great-great-grandchildren. Other survivors are two sisters, Mrs. P. D. Meadows, Skellytown, and Mrs. Ellen Banks, White Deer, and two brothers, Noah Read, Vinson, Tex., and Lee Read, Hedley.

Mrs. W. J. Mogford

Mrs. W. J. Mogford, widow of a pioneer Menard County rancher, died in a Brady, Texas, hospital May 29 at the age of 92. Mrs. Mogford had made her home with a daughter, Mrs. Troy Sparks, at Eden, Texas, since the death of her husband several years ago. Other survivors include another daughter, Mrs. M. E. Colclazier, Albuquerque, N. M.; and four sons, Warren of London, Joe of College Station, Martin of Odessa, and Fritz of Monte Vista, Colo.

Everett Butterly

Everett Butterly, veteran Davis, Oklahoma, stockman, died May 25 following a three months' illness. Butterly was one of southern Oklahoma's larger producers of good quality cattle. He is survived by his wife, and two brothers, John and William, both of Davis. He was 65 years old.

W. H. Fuqua

W. H. Fuqua, pioneer banker, cattleman and land owner of Amarillo, died May 30 at the age of 87. He had been in ill health for several months. Fuqua was president of the First National Bank of Amarillo from 1894 until his retirement several decades ago and owned extensive land and cattle holdings. Survivors include Mrs. H. E. Fuqua, Amarillo, a daughter-in-law; Henry Earl Fuqua and Wiley H. Fuqua II, Amarillo, grandsons; Mrs. W. H. Poole, Tucumcari, and Mrs. Chilton Hill, Amarillo, granddaughters; and four great-grandchildren.



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Insect Control Urged to Curb Livestock Losses

AN insect-control program, started before hot weather sets in, will do much to cut down livestock losses this summer, the American Veterinary Medical Association advises farmers.

Flies, ticks, and mosquitoes play a part in spreading many infectious diseases of animals, including the malaria-like cattle disease known as anaplasmosis, the so-called sleeping sickness of horses, swamp fever, and bovine mastitis. In addition, insects such as screwworm flies and heel flies are directly responsible for costly parasitic diseases.

Besides all that, insects cause discomfort that may be reflected in decreased gains and milk production.

A general clean-up of barns and premises, including draining or fencing of swampy places where mosquitoes and certain other parasites breed, is recommended as the first step.

Use of good insecticides of known safety for spraying barns and for spraying or dipping the animals is the next step suggested by the veterinary medical organization. In this connection, stock owners are urged to "keep informed of latest developments in the use of insecticides."

Research is constantly turning up new facts about the value and safety of insect-killing chemicals, the AVMA points out, and it is essential that farmers know the right kind of product to use for each species of stock.

Cattlelog

The Clovis Cattle Festival this year will be held on October 26, 1950, and will again feature a feeder sale that promises to attract more entries than ever before.

Malcolm Levi, owner of Paleface Ranches, recently purchased a 1,700 acre tract near Brenham. This will be used as another unit in his Brahman and Indu-Angus breeding program.

One of the outstanding sales in recent Brahman history was made by A. P. George, Richmond, who sold two heifers and 10 bulls to the West Indies Sugar Corporation for \$22,500. These cattle are of Hudgins and Sartwell breeding and were shipped to a ranch near Santiago, Cuba, where they will be used in a program of artificial insemination.

The Arkansas Hereford Association in cooperation with the Extension Service of the University of Arkansas, the American Hereford Association and other interested groups, will sponsor a state-wide field day at Glencrest Farms, Nashville, Ark., August 16, owned by Glenn Wallace. All members of the Arkansas association and others interested in Hereford cattle are urged to attend. The association is also sponsoring a sale to be held October 6 to which already 46 head, about half of them females, have been pledged.

Turner Ranch, Sulphur, Okla., purchased H Proud Mixer 1st, a junior yearling and first son of H Proud Mixer, from W. E. Harvey, Ada, Okla., for \$12,500. This young bull was purchased during the recent Hereford Heaven Tour. The 1st is a grandson of CK Cascade, he by WHR Double Princes and his mother is a granddaughter of Real Prince Domino.

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Texas Livestock Markets' Review

Price Range at Fort Worth, Houston and San Antonio During Past Month

FORT WORTH Trade on the Fort Worth Livestock Market last month was featured by the arrival of a liberal proportion of grassers, both in the cattle and sheep yards, with grass cows and yearlings making up the bulk in the cattle yards.

Receipts of cattle during the first three weeks of June were a few thousand short compared with the same period last year, but calf receipts this year were larger. Hog supplies so far this month are larger than last June, while sheep and lamb supplies were about the same. Local cattle runs picked up sharply after June 10.

Recent sales of medium and good slaughter steers and yearlings are \$1.00 @1.50 higher than a month previous. Common grades are steady to 50c higher. Cows are mostly 50c higher and bulls strong to 50c higher, with cutter bulls up 50c@1.00. Slaughter calves sold 50c @1.00 higher than a month previous and most stocker and feeder cattle and calves are \$1.00@2.00 higher.

A limited supply of good fed slaughter steers and yearlings sold recently from \$29.00@30.00, with good yearlings to \$31.00 and odd choice to \$32.00. Good and choice yearling heifers crossed the scales from \$28.50@30.00. Shortfed steers and yearlings have been more plentiful than other classes, these selling from \$25.00@28.50. Cutter and common grassers ranged from \$19.00@23.50.

Good cows are selling mostly from \$21.00@22.00, with one load at \$23.00 and odd head to \$24.00. Common and medium cows turned from \$18.00@20.50 and most canners and cutters from \$13.00 @18.00, a few old shells down to \$12.00. Medium and good sausage bulls sold largely from \$20.00@22.00, with some up to \$22.50. Cutter and common bulls are selling from \$16.50@19.50.

Calves are selling at the highest level in the past two years and recent sales of good and choice slaughter calves were reported from \$26.00@30.00, with several choice lots to \$31.00. Most common and medium slaughter calves turned from \$18.50@25.00 and culls \$16.00@18.00.

Medium and good stocker yearling steers moved out from \$23.50@28.00, with choice to \$29.00. Similar grades of

stocker calves turned from \$24.00@28.50 and choice \$29.00@30.00. Common and medium mature stockers are moving from \$20.00@26.00 and common stocker calves from \$22.00 down. Medium and good stocker cows moved out from \$18.00@22.00, mostly \$21.00 down.

Recent sales in the sheep yards show spring lambs \$3.50@4.00 lower than a month previous. Shorn slaughter lambs and yearlings were \$1.00@2.50 lower, aged sheep are weak to \$1.00 lower and feeders steady. Spring lambs topped at \$30.00 early in the month and sales shortly after the middle of the month showed good and choice spring lambs selling from \$24.50@25.50 and medium grades \$23.50 @24.00. Medium and good shorn lambs and yearlings turned from \$21.00@22.00, with sales up to \$24.50 early in the month. Common to good shorn slaughter ewes sold from \$9.00@11.00. Spring feeder lambs moved from \$20.00@23.00 and shorn feeder lambs and yearlings from \$17.00@20.00.

SAN ANTONIO For the second straight month, prices on the San Antonio market on all cattle were higher during June. Hogs were also higher than at the previous month's close while sheep and lambs worked lower and goats held steady. Slaughter steers and yearlings were fully \$1.00 up, cows strong to 50c higher and bulls firm. Slaughter calves closed \$1 to mostly \$2 higher. Stocker calves showed advances of \$1.00@2.00 with extremes up more, and stocker steers and yearlings 50c@1.00 higher.

Near the close of the period, trading in slaughter steers was featured by the arrival of the season's initial major shipments of grass-fat steers. Loadlots of common to average medium steers made \$22.00@25.50 and average to high medium 1200-1421 pound offerings earned \$25.50@27.00. Bulk of low medium sold at \$24.00@24.75. Low to average medium 550 to 600 pound yearlings moved in a \$24.00@27.00 spread.

High medium and good cows scored \$20.50@21.00 with common and medium selling at \$18.00@20.00. Canners and cutters claimed \$13.50@17.50. Good

weighty bulls commanded \$22.00. Bulk common and medium moved generally at \$19.00@21.50, with canner and cutter going at \$17.00@18.00.

Scarcity of slaughter calves during the third week of the month prevented any attempts at price reductions. Medium and good scored \$26.00@29.00, with occasional lots at \$30.00. Common offerings took \$20.00@25.50 and culls claimed \$17.00@20.00.

Active demands during the entire period took medium and good stocker calves at \$23.50@29.00, with good and choice calves of about 300 pounds average crossing the scales at \$30.00@33.00. Medium to low good yearlings turned \$23.00@27.50, with straight heifer yearlings scoring \$23.50@26.00. Loadlots of 850-1000 pound stocker and feeder steers changed ownership at \$24.25@25.00. Common steer yearlings earned \$20.00@22.50. Common and medium stocker cows spread from \$16.50@21.00 the bulk moving in a \$17.00@19.00 spread. Stocker bulls took \$19.00@21.00.

Medium and good spring lambs were \$1.00@2.00 lower, shorn lambs and yearlings unevenly weak to \$1.00 lower and aged ewes and wethers mostly steady. Medium and good spring lambs sold in a \$22.00@23.50 price spread, with odd lots at \$24.00@24.50. Medium shorn lambs and yearlings changed hands at \$20.50@22.00. Good shorn wethers bulked at \$11.00@12.50 with straight ewes moving at \$11.00@12.00. Medium and good spring feeder lambs spread from \$18.00 @21.50 with a few to \$21.75. Medium shorn feeder lambs earned \$17.00@17.50.

HOUSTON Trading was active at the Port City Stockyards during June for all represented classes of cattle and calves. The clearance was practically complete each day as the rather small supplies were in fair to broad demand.

Slaughter steers were never offered in large enough quantities to establish a price trend. Slaughter cows made up the bulk of the mature cattle receipts while bull supplies were confined to small lots and odd head. Common and medium grades dominated the slaughter

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calf receipts while Brahman type stocker calves outnumbered white face calves.

The total salable receipts for the month amounted to approximately 3,800 cattle and 8,900 calves, a decline in total of 250 head, in comparison with the previous month's receipts of 4,300 cattle and 8,650 calves. During the corresponding period of 1949, 5,796 cattle and 10,804 calves came to market, showing a decline of about 23 per cent for the current four weeks.

The relatively small receipts and the broad demand produced higher prices for most all classes. Slaughter cows advanced from 25¢@50¢, slaughter calves around \$1.50, stocker calves \$1.00@1.50, while bulls held fully steady. Small lots of good yearlings cashed up \$29.00 and medium sold generally above \$24.00 at the close of the period. Good slaughter cows went out at \$21.00 with common and medium kind going from \$18.00@20.00. Canner and cutter grades cleared from \$14.00@18.00 with hard emaciated cows around \$13.00. Good heavy bulls reached \$21.00 while cutter to medium sausage bulls brought from \$17.50@20.00. Good slaughter calves sold mainly from \$28.00@30.00 with high good light weights to \$31.00. Consignments of mixed high medium and low good averaged around \$27.50 with straight medium lots going from \$24.50@27.00, common from \$21.50@24.00 and cull from \$19.00@21.00. Stocker buyers were furnishing much competition for lower grades of slaughter calves, with medium and good white face stocker calves ranging from \$22.00@28.00 and a few choice steer calves to \$29.00. Brahman bulked from \$22.00@23.00 and small lots of light calves to \$23.50. The small supply of common and medium steers and yearlings brought from \$20.00@24.00 while common and medium stocker cows made \$15.00@17.00 with young cows and heifers from \$18.00@20.00.

SOUTH ST. JOSEPH

Cattle supplies at the South St. Joseph, Mo., river market were as a rule rather small during the last two weeks of May and the first two weeks of June. Higher prices were recorded the third week of May but leveled off after that and in response to lower dressed markets in the East prices have been on the decline, fed steers and yearlings now standing around the middle of the month were \$1.00 lower than the previous two weeks, some yearling cattle showing grass at larger discounts. Cows worked fully \$1.00@1.50 lower, bulls steady, calves and weaners weak to \$1.00 lower, replacement stock scarce with demand good until the decline in fat cattle this week made for a lower trade, 25-50¢ being discounted during the week ending June 17. Choice 1170-1243 lb. steers topped the period at \$32.00, a few loads high-good and choice going at \$31.00@31.50, mixed yearlings at \$31.50 and straight heifers at \$31.00, bulk medium to high-good steers \$26.50@31.00, common and medium \$23.00@26.25, bulk medium and good heifers \$26.00@30.00, common and medium beef cows in a range of \$17.00@21.25, mostly \$20.00 down late, good lots \$20.00@23.00, canners and cutters \$13.50@18.50, late sales \$17.50 down, top bulls \$22.75, weaner top \$30.00, but closing at a practical top of \$28.00. Choice 643-lb. stocker steers realized \$29.50, small lots to \$30.00, bulk medium to low-choice stocker and feeder steers \$24.75@29.00. Stock cows in a range of \$17.00@20.00, little above \$18.50 late.



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The Cattleman's Book Shelf

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The Little, Brown and Company, Boston. Price
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Ben Lilly is no stranger to the readers of The Cattleman because of the articles which were written by the late Monroe H. Goode of Dallas and published several years ago in The Cattleman.

THE HUMAN HEART. By N. S. Haseltine.

A pamphlet which consists of a series of articles reprinted from the Washington Post, Washington, D. C. This series presents information about the heart and the diseases affecting the heart and circulatory system in an accurate and factual manner, understandable to the general public. The National Heart Institute is issuing this pamphlet to meet the large number of requests from the public for such information.

A single copy may be secured without cost by writing to the Heart Information Center, National Heart Institute, Bethesda 14, Maryland. Additional copies may be purchased from the Superintendent of Documents, Government Printing Office, Washington 25, D. C., at 15¢ per copy, with 25 per cent discount on orders of 100 or more mailed in bulk to one address.

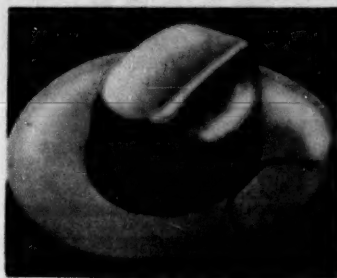
EXPERIMENTS WITH GUAR IN TEXAS. By L. E. Brooks and Clark Harvey. Circular 125, Texas Agricultural Experiment Station, College Station, Texas.

This is a discussion of the characteristics, uses and various properties of the Guar plant which has been grown and tested at several experiment stations in Texas since its introduction into the United States by the U. S. Department of Agriculture in 1903.

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A list of technical articles published by the Texas Agricultural Experiment Station during 1949. Copies may be secured free from the Texas Agricultural Experiment Station.

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Have enjoyed very much reading The Cattleman while punching cows out in New Mexico and intend to continue enjoying a very well informing magazine while in the Army.—Bruce B. Daniels, Box 649, Lincoln Park, N. J.

Tall Wheatgrass Produced More Beef in Tests

TALL wheatgrass produced more beef, had higher grazing capacity, ranked well in forage utilization, and yielded higher than other range grasses tested at Fort Collins, visitors learned at the fourth annual Range Management and Livestock field day conducted by Colorado A. & M. College Experiment Station June 13.

Visitors saw results of these tests and others, including application of fertilizers, on college ranges during a morning tour. Talks on irrigated pastures in range livestock production, poison plant control, nutritive value of range forage, and feeding range cattle during winter and drought highlighted the afternoon program.

Clinton H. Wasser, chief range conservationist for the station, summarized data which showed that for first-year experiments tall wheatgrass put 227 pounds of beef per head on cattle grazed in the experimental plots. This compared with 167 pounds for Russian wild-rye and 129 pounds for intermediate wheat grass. Tall wheatgrass also led other comparable grasses in grazing capacity tests, Wasser said. This grass required 0.42 of an acre to produce a pound of beef compared with 0.62 of an acre for Russian wild-rye and 0.65 for intermediate wheat.

In utilization of forage, tall wheatgrass ranked only 10 per cent behind smooth brome with intermediate wheat and Russian wild-rye in between, Wasser added. A mixture of crested wheat and brome was least palatable, this test revealed, leading Experiment Station investigators to recommend planting these varieties alone, or with dryland legumes, to get best utilization.

Intermediate and tall wheatgrass were almost the same in yielding ability, visitors learned, and both at better than 5,200 pounds per acre were well ahead of next-ranking Fairway crested wheat.

Application of superphosphate in no

case gave enough additional yield to pay for the cost, reported Donald Hervey, assistant range conservationist, in discussing fertilizers. Use of 100 pounds per acre of ammonium sulfate gave forage increases of 700 pounds crested wheatgrass, 1,200 pounds of smooth brome, and 1,670 pounds intermediate wheatgrass at a cost of approximately \$4.00 per acre, including fertilizer and application. Hervey added that application at the same rate on native range increased forage 410 pounds per acre for western wheatgrass. Residual effects of these applications may be obtained for the first time next year, he added.

Hervey explained these fundamental fertilizer trials were conducted on a small scale and it is hoped to apply them on larger pastures in the future.

Visitors were first shown a short grass pasture of the prevailing type of this area which could be compared with other pastures later in the tour. One of the comparisons was with an experimental range operated by the college since 1920. Prior to 1920 this range was grazed rather heavily and since 1937 it has been stocked moderately to improve carrying capacity to a point of two acres per cow per month, Wasser said.

Station investigators used an area burned over in January by an accidental fire to show not only loss of the current year's forage, but reduction of forage for several years in the future and damage by wind erosion.

Wasser said Alta fescue and big blue continued to grow later into the fall than any other grasses tested and produced more forage in the fall re-growth period. He listed some new strains of grasses appearing superior in this area as Nebraska 50 intermediate wheat, Nebraska 36, 44, and Oklahoma No. 1, and synthetic bromegrass, K-31 fescue, Italian and Empire birdsfoot trefoil, Sanfoin, and Sevelra alfalfa.

In date-of-seeding tests, investigators said first year results indicated late fall and early spring seedings appear superior.

Wintering Steer Calves on Dry Bluestem Pasture

STEER calves wintered on dry bluestem pasture and fed two pounds of soybean pellets per head daily gained three-fourths of a pound per head daily from November 25, 1949, to April 15, 1950, it was announced at the Livestock Feeders Day held at Kansas State College recently. The winter was exceptionally mild with very little rain or snow. The pasture in which the calves were wintered is a creek bottom bluestem pasture with considerable bluegrass in it.

Steer calves wintered in lots on prairie hay or sorghum silage supplemented with one pound of soybean pellets per head daily, gained slightly more than one pound per head daily.

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Range News of the Southwest



Texas

Range feed supplies improved rapidly during May and were generally good to excellent in all areas except the Trans-Pecos and some western Panhandle counties. Mid-May rains broke the south Texas and southern High Plains drouth and new feed is now coming along. Grass was still short in the area north and west of Amarillo where showers had been insufficient to effectively break the prolonged drouth. However, early June rains have added to moisture supplies in that area. In the eastern two-thirds of the state, generous May rains have produced an abundant supply of green feed. Summer grasses were making good growth while adequate moisture and cool nights retarded maturity of spring grass. Needle and three awn grass—the sheep men's plague—was beginning to mature. Feed and hay crop prospects have shown remarkable improvement during the past 30 days. All range feed was reported at 87 per cent condition on June 1. This records a six-point improvement during May. The 10-year average condition for this season of the year is 85 per cent.

Cattle and calves were generally fat over the eastern two-thirds of the state, and were responding to the improving green feed supply in the extreme south and in southern High Plains counties. Demand for stocker cows, yearlings and calves was very strong. An unusually good calf crop was on the ground and calves were making good gains. The spring movement of big steers to Osage and Flint Hill pastures was somewhat less than last year. Screw worm infestations are unusually heavy and severe. All cattle and calves were reported at 87 per cent condition on June 1. This was four points above that reported a month ago and two points above the June 1 average of 85 per cent.

Ewes and lambs made good gains during May on the improving green feed supply over most of the main sheep country. Central and eastern Plateau counties have excellent grass with some getting too coarse for best utilization by sheep. Needle grass was beginning to cause trouble. Spring lambs have made good gains on the heavy milk flow. The spring movement of yearling and spring lambs continued much heavier than expected through May. A substantial number carried only feeder fleah. Shearing was practically complete in all areas and

bulk of the clip was sold at very satisfactory prices. The strong demand for replacement ewes continues. Sheep and lambs were reported at 87 per cent condition on June 1. This compares with 84 per cent a month ago and the 10-year average of 85 per cent.

Oklahoma

Range feed condition of 86 per cent on June 1 was a sharp improvement over the 72 condition on May 1, according to the Federal-State Crop and Livestock Reporting Service. General rains in May effectively broke the drouth except in the Panhandle, where there was still a deficiency of soil moisture. By June 1 growth of grass was good throughout the state, except in the Panhandle, and with the abundant moisture in many counties prospects for summer grazing were very good. Showers since June 1 have benefited local areas in the Panhandle. The 86 per cent condition of range feed for the state on June 1 was one point below the 10-year average for the date. Conditions were very good in most districts but the drouth and delay of growth in the Panhandle held down the average condition for the state. May rains replenished tanks and ponds, and stock water supplies were reported satisfactory in all sections.

Cattle condition was reported at 86 per cent on June 1—a six point improvement over May 1 and the same as the 10-year average for June 1. Cattle held generally strong thrifty condition in spite of the dry spring and delay of grass, with many stockmen doing supplemental feeding until May. Stock are now responding rapidly to the improved range feed and pastures. Flies were troublesome by June 1 and spraying for control is becoming active. Demand for stockers was reported good over the state.

May receipts of cattle and calves at the Oklahoma National Stock Yards at Oklahoma City were reported at 42,846 head—a sharp increase over receipts of 33,512 head in April and 34,494 head in May, 1949.

Western Ranges

Western range feed conditions are below average, but showed more than the usual seasonal gain during the month of May, from the relatively low range feed condition of May 1. Range and pasture feed growth is generally late. Range

feed conditions improved during May in all the Western States, except Colorado, New Mexico, Arizona, California, and Utah. Only California and Texas show above average range feed conditions, with near average condition in Oklahoma and South Dakota. Montana, the Dakotas, Wyoming, and Nebraska have developed a good late growth of range and pasture feed from May rains and snow, but show a below average condition rating. May and early June rains improved range and pasture feed conditions and later prospects in northern Colorado and the eastern two-thirds of Kansas. Good to very good range and pasture feed has developed in the eastern half of Kansas, Oklahoma, and most of Texas. Very dry short range feed conditions cover southeastern Colorado, southwest Kansas, northwest Oklahoma, northwest and western Texas, practically all of New Mexico and Arizona. Dry short range feed conditions exist in southeast Utah, south central Colorado and parts of southwest and west central Colorado, Idaho, Oregon, and Washington have improved range feed conditions that are below average, with the late growth of grass needing rain in some local areas. Nevada and Utah range feed conditions are fair to good, with dry short feed in southern Nevada and southwest Utah. California has a good crop of pasturage that is curing somewhat short, but generally ample for summer use.

Cattle and calves are generally in good but below average condition and have made good gains during May except in the dry areas of the central and southern Great Plains and the Southwest and local northern areas, where new feed was late in developing. Cattle have made very good gains in Oklahoma, Texas, and California. In Montana, the Dakotas, and Wyoming, cattle have made slow gains following severe winter condition and May storms. Cattle have shown considerable shrink and there are some thin cattle in the dry areas of southeastern Colorado, southwest Kansas, New Mexico, and Arizona, and adjoining areas of Oklahoma and Texas. In the Northwest, cattle have made slow gains and show below average condition. California cattle have made good gains and are in good condition. There has been a forced movement of cattle from the dry areas of southeast Colorado, southwest Kansas, western Oklahoma, parts of northwest and west Texas, and

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New Mexico. Winter cattle losses have been light and about average, except in parts of Montana and the Dakotas where losses were rather heavy due to severe winter conditions. A good calf crop is reported, except for some spring losses in Montana and the Dakotas.

Western sheep conditions are generally good except in the dry sections of southeastern Colorado, western Texas, New Mexico, and Arizona. Texas sheep and lambs are doing well, with ample feed except in local western areas. In Montana and the Dakotas, sheep are making slow gains after the severe winter and spring storms.

Cattle Sales and Prices

Where not so given on sales, excepting calves, the reference is to steers. As "The Cattleman" goes to press several days before date of release, range conditions may have changed since those reports were made.

AMARILLO—Shipping has been very light the past thirty days. The east part of the Panhandle has had some showers and grass is fair in that area but the western part is dry and vegetation is short. Wheat is short and row crops are late. There is quite a market for all classes of cattle here.—N. H. Sweeney.

ARCH, NEW MEXICO—There have been very few sales except at local auctions, where runs are the heaviest of record. Prices have remained very good. Most of the cattle are being sold for the dry territory which covers a very large part of eastern New Mexico and West Texas. Some parts of this territory have had heavy rains but most of it is dry, with some of it very dry and a large per cent of the cattle have been moved. Quite a few contracts have been written for fall, mostly on calves, with prices strong. Best quality Angus and Hereford calves that weigh pretty light bring from \$26 to \$28, with a few instances of outstanding calves being sold for as high as \$30. Some calves have not been contracted, as the owners are afraid they will have to sell or move their calves. The grain harvest will be almost nothing and prospects are mighty poor for a fall grain and cotton crop.—James A. Gowdy.

BENJAMIN—Lacy Bros., Benjamin, sold 743 yearlings to Farmers Comm. Co., Belle Fourche, S. D.

Roy Butler, Bomarton, sold 666 heifer yearlings to Leo Singer, Amarillo.

Morris Hoppell, Amarillo, bought 150 steer yearlings from Rex Carpenter, Seymour; 254 mixed yearlings from Rolla Fancher, Seymour; 262 steer yearlings from A. F. Wira, Seymour.

O. W. Hallerstedt, Seymour, sold 718

mixed yearlings to Barrick Cattle Co., Amarillo.

Sam Portwood, Seymour, sold 286 mixed yearlings to M. L. Layton, Layton, Kans.

Lebus & Spikes, Benjamin, sold 349 mixed yearlings to Howell Smith, Wichita Falls.

Guy Flint, Amarillo, bought 545 mixed yearlings from L. R. Burns, Seymour; 665 mixed yearlings from Harry Portwood, Seymour; 897 heifer yearlings from George Higgins, Seymour; and 67 two-year-old steers from Branch Higgins, Seymour.

Bob Hayley, Seymour, sold 400 Brah-

On Mid-North Texas Hereford Tour

Officials of the Mid-North Texas Hereford Association, with headquarters at Cleburne, Texas. Left to right, C. S. Hutchison, Godley, president; Jera Swartzell, Cleburne, vice-president, and Roy C. Gage, Fort Worth, secretary.



Dr. C. C. Jowell, Cleburne; Dr. Charles H. Harris, Fort Worth, and Mrs. Jowell.



Mr. and Mrs. Fred M. Lege III, Weatherford.



Joe Winston, Alamo, and M. O. Andrews, Fort Worth, Texas.



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man cows to George Cator, Naravisa, N. M.

W. W. Brunson, Lubbock, sold 947 mixed yearlings to Art Watson, White Sulphur Springs, Mont.

Paul Russell, Rochester, sold 308 yearling heifers to Hubert Chance, Rotan.

McFadden Ranches, Benjamin, sold 387 steer yearlings to C. T. McMurtry, Clarendon.

Chas. Moorhouse Comm. Co., Benjamin, bought 65 cows and calves from Hubert Chance, Rotan; 18 Angus cows from W. J. Locklear, San Angelo; 2,100 ewes from Atkins Bros., Christoval; and sold 15 cows and calves to E. B. Sams, Benjamin; and 2,100 yearling ewes to Kansas City buyers.

We have had good rains and the grass has never been better at this time of the year. Cattle are getting fat on the range. Most all cattle have been delivered and few are for sale.—Chas. Moorhouse.

BUDA—Roy Capps, Mason, bought 86 pair plain cows and calves from Christian and Goodnight, Austin, and shipped them to Amarillo; 102 pair cows and calves, same class, from Hal B. Armstrong, Jr., Austin; and one load of fat cows, and shipped them to Calvert.

We need rain in this country, but have a fine corn crop.

There will have been nearly as many cattle pass through the auction rings the first six months of this year as went through in 12 months in 1949 and prices are still strong.

Steer calves are selling 28c to 29c; heifer calves, 28c to 30c; two- and three-year-old heifers and twos, 21c to 23½c; dry cows, 18c to 21c; cows with calves, \$225 to \$265; yearling steers, 26c to 27c.—A. B. Strickland.

CLARENDON—Very little trading at present. We have had rain over this territory and grass is pretty good. Parts of the country need more rain. Cattle are doing fine but screw worms are bad.

Steer calves are selling 28c to 30c for fall; heifer calves, 27c to 29c; dry cows, 17c to 20c; cows with calves, \$200 to \$250; yearling steers and twos, 26c to 27c.—A. T. Jefferies.

EL PASO—There is very little trading going on. It is very dry and rain is needed badly as we are having the hottest weather I ever saw in this country. The only rainfall has been in the eastern part of Hudspeth County where it helped fill tanks and will make some grass.

Lee C. Moore, Clint, has been shipping some fat steers to Swift & Co., Fort Worth.

Grover Nealey, Fabens, received two

cars of feeder steers from Temple, Texas.—R. E. Beatty.

HEBRONVILLE—Viggo K. Gray, Hebronville, sold 103 white-faced steers to Rocky Reagan, Jr., Beeville, who sent the steers to Grand Summit, Kans., for grass.

This country is in excellent shape for grass with the exception of a few spots in Starr County. We have had scattered showers recently. There has not been any big movement of livestock to market. Most of the ranchers in Jim Hogg, Webb, Starr and Zapata Counties have a good calf crop and cattle are gaining in weight. The demand for all classes of cattle is good.—Jack H. Mims.

HIGGINS—A good many cattle are contracted for fall. Not many cattle are moving yet. The wheat crop is very poor but grass is good and cattle are making satisfactory gains now. Conditions are favorable for sowing feed now.—R. B. Tyson.**MULESHOE**—Demand is good and prices satisfactory on all classes of cattle but there is very little trading. There have been showers over most of the high plains but no section has had sufficient moisture. Most of the range cattle are still being fed cake on the grass. Some farmers have planted crops.

Steer and heifer calves are selling 25c to 26c; two- and three-year-old heifers, \$200 to \$250; dry cows, 20c; cows with calves, \$180 to \$260; yearling steers, 25c to 28c.—Jno. S. McMurtry.

QUITAQUE—There have been some local rains and some heavy rains over

all this territory but rain is still badly needed. There has not been enough moisture to start grass and surface tanks are low. Row crops can't be planted in more than 60 per cent of this section and get up to a living stand.—O. W. Stroup.

**Experiment Shows Weed Killers
Are Not Harmful to Livestock****I**F you're one of those many farmers worrying about the effect of 2,4-D and similar weed killers on pasture consumed by livestock, you need not be too concerned. Recent tests by Michigan State College researchers show that even when herbicides were used in strengths two to four times normal application, the sprayed pasture had no harmful effect upon livestock it carried.

For the tests, an experiment station pasture with a good stand of alfalfa and brome grass was divided into nine three-acre lots and applications of eight common weed-killers were made. Each lot was divided into two parts, and only half of each was sprayed at the start. Stock was put in each part and the remaining half was sprayed at the end of the first week. Horses, dairy and beef cattle, sheep, swine and chickens were used.

Animals were weighed throughout the tests and showed no appreciable changes. Milk production records were kept on the dairy cattle and those on sprayed plots showed no drop in production.

Under the conditions of the experiments, none of the herbicides seemed toxic to the types of livestock used. Under average farm usage, animals would not be exposed to quantities of chemical



Brahman cows and calves on the Russ Dawson Farm, Birmingham, Mich.

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Please Ryan and Ben Lotoprich, Cattle; Bill Fow, Calves; George Jones, Hogs; Everett Cooper, Sheep

as large as were present in these trials.

Stock showed no preference for the sprayed material, contrary to opinions by some people that livestock would choose sprayed vegetation over that not sprayed.

All common weed killers likely to be used in pasture improvement work were tried in the experiment. Herbicides used included: dinitrophenol, pentachlorophenol, TCA, three types of 2,4-D, and 2,4,5-T.

The experiment will be continued to determine if products from livestock, such as milk and eggs, show any contamination from the chemicals.

Patterson Hereford Dispersion

SUMMARY

56 Bulls	\$119,679; avg.	\$2,127
416 Females	247,776; avg.	593
504 Head	355,455; avg.	711

BUYERS from 17 states and Canada were represented at the Bull's Eye Dispersion of Patterson Herefords held at Hismarek, N. D., June 21-22. Considering the fact that it was a complete dispersion, in which more than 500 cattle of all ages and quality were sold, the above averages are impressive.

The top price, \$9,000, was paid by Al-darra Farms, Seattle, Wash., for Tone Heir M 27th by H&D Tone Lad 21st, a bull that had many admirers. A Californian, Gerald Montgomery, Madera, paid the next highest price, \$8,500, for Zato Heir P 47th, a May, 1947, son of H&D Lad 105th. Rae Mar Ranch, Lake, Mich., paid \$8,000 for Royal H D Domino 43d, a May, 1946, son of Royal H Domino 43d. All told, 27 bulls sold at four figures.

The top selling female was Jayhawker Heiress, a January, 1949, daughter of Jayhawker Domino, that sold for \$4,050 to Art Greenburg, Grand Forks, N. D. A. W. Carlson, Danville, Cal., paid \$4,000 for Tone Heiress S 49th by H&D Tone Lad 21st.

Among the Texas buyers at the sale were R. T. Alexander & Son, Canadian, and W. A. Walker, Waco, Oklahomans among the buyers were Honey Creek Ranch, Grove; Horseshoe Ranch, Ada, and Turner Ranch, Sulphur. Auctioneers were A. W. Thompson, Freddie Chandler, H. B. Sager, Ray Schnell and Howard Schnell.

The Cattleman — Subscription rates: One year, \$2; three years, \$5; five years, \$8; foreign, one year, \$4.

Oklahoma Polled Hereford

Tour July 11-12

THE Oklahoma Polled Hereford Association is sponsoring a two-day tour July 11-12 which will include a number of outstanding Oklahoma Polled Hereford establishments.

Following is the itinerary of the tour: July 11—8:30 a. m., N. M. Kramer, Douglas, Okla.; 9:15 a. m., Harold Hunter, Waukomis, Okla.; 10:15 a. m., George Gilger, Enid, Okla.; 10:30 a. m., Clifford Crites, Laboma, Okla. (type demonstration by Don Chittenden); 11:30 a. m., Joe Champlin, Enid, Okla.; 12:30 p. m., Enid, noon meal at Tiajuana Cafe, Highway 81, north edge of Enid, meal furnished by C. Crites, H. Hunter and N. Kramer; 2:45 p. m., John Buckles, Dacoma, Okla.; 4:00 p. m., Scott Cummins, Freedom, Okla.; 5:30 p. m., Robert Rutledge, Mooreland, Okla. Dinner and meeting at Whiteway Cafe, Community Building, Woodward. Stay over night at Baker Hotel and tourist camps.

July 12—8:30 a. m., John Trenfield, Follett, Texas; 9:15 a. m., Don Rader, Shattuck, Okla.; 10:45 a. m., Frank Gilliland, Crawford, Okla. (type demonstration); 12:30 p. m., Hammon, Okla., noon meal; 1:30 p. m., E. C. Stinson, Hammon, Okla.; 2:00 p. m., A. L. Stinson, Hammon, Okla.; 2:30 p. m., L. M. Stout, Butler, Okla.

At Honey Creek Ranch Field Day, June 19

Part of the crowd of more than 300 attending the Honey Creek Ranch Field Day.



Left to right, Gene Mullendore, Hominy, Okla., and his son and daughter; Mrs. Allan Feeney, Mrs. Mullendore, Altan Feeney, Phoenix, Ariz., and background, Jack Turner, secretary American Hereford Association.



Left, Mrs. Harry Stekol, the very gracious hostess, was kept plenty busy serving coffee.

Right, Mrs. Fred Anderson, Morris, Ill., F. D. Jones, Dallas; Harry Stekol, owner of Honey Creek Ranch, and Francis Hill, manager.


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The cost of membership in the Association is \$6.00 annual dues and 10 cents per head per year assessment on the number of cattle rendered.

The Association employs inspectors at the markets and principal shipping stations on the range. Field inspectors are also employed to travel over the range country and investigate reports of cattle stealing, etc. Association attorneys assist in the prosecution of those charged with theft of cattle owned by members.

Write for Information About the Texas and Southwestern Cattle Raisers' Association
Henry Bell, Secretary, Fort Worth

MEET YOUR INSPECTORS

JACK MIMS
Hebbronville, Texas



Mr. Mims supervises Association work in the following counties: Hidalgo, Jim Hogg, La Salle, Starr, Webb and Zapata.

LEONARD STILES
West Columbia, Texas



Mr. Stiles supervises Association work in the following counties: Brazoria, Fort Bend and Matagorda.

HERB DAHL
Stock Yards
So. St. Joseph, Mo.



Mr. Dahl is our market inspector stationed at the So. St. Joseph, Mo., Stock Yards.

For the protection of members against loss by theft or through the marketing of strayed cattle, the Texas and Southwestern Cattle Raisers Association employs a highly qualified, trained force of more than 70 market and Field Inspectors. The inspectors pictured above are a part of this force, and in carrying out their work the Field Inspectors travel extensively throughout their territories—ever watchful for any clue of thieves that may be operating in the area, while the market inspector checks brands of cattle moving through the South Saint Joseph Stock Yards. These services are only part of the protective services rendered by the Texas and Southwestern Cattle Raisers Association to its members. The complete protection and privileges of membership are available to all responsible cattlemen... large and small alike.

HOW LITTLE IT COSTS!

The minimum yearly charge for Association membership is \$13.50 (based on 50 head).

If you are running 100 head in your herd—you would render 65 head (65% of herd) and your yearly dues would be \$15.15.

If you are running 200 head in your herd—you would render 130 head (65% of herd) and your yearly dues would be \$22.30.

These are just sample charges—complete information regarding charges for membership may be found in the application on next page, or get in touch with your nearest Association Inspector. Names and locations of all inspectors are listed on the reverse side of this page.

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TEXAS & SOUTHWESTERN
CATTLE RAISERS
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Protect your cattle... Protect your property... Protect your industry! Fill out and return the application for Association Membership to Henry Bell, Sec'y, 1109 Burk Burnett Bldg., Fort Worth 2, Texas. Display the sign of progressive cattlemen.

The Texas and Southwestern Cattle Raisers Association

Application for Membership

AGRICULTURE is an industry of many phases; livestock raising is among the most hazardous. In furnishing the beef of this nation the cattleman is confronted with problems which may be divided into two distinct classes, individual and common.

Individual problems are those which belong to each man separate and distinct from his neighbor or fellow industryman.

Problems of common interest are those which belong to the industry as a whole. Every cattleman knows that diligent attention must be given to matters involving legislation, marketing, finance, freight rates, meat consumption, and the like, the same as the individual must be concerned about feed, water, labor, and other ranch problems. Group action through organization alone furnishes the operating machinery for dealing with problems of common interests.

The necessity for organized effort has caused each industry to form its association. It brought into being organizations for labor and all other businesses. Livestock producers in every state or section formed representative bodies, and among the first was the Texas and Southwestern Cattle Raisers Association.

Membership is open to any cattle producer recommended by responsible parties. There are cattlemen and livestock farmers in every section of the Southwest who are not members but who should be and lend their support to the efforts of this organization in behalf of their industry.

Experienced inspectors are stationed on all the central markets to which cattle from Texas and neighboring states are ordinarily shipped. Upon authorization by a member proceeds of cattle bearing his brand are held, pending investigation, if the inspector believes that such cattle are being handled by unauthorized parties.

Field men are stationed at important range centers and inspect shipments, conduct investigations of losses by members, assist local officers in apprehending and capturing cattle thieves, and serve the membership in any way possible. An attorney furnished by the Association assists local officers in prosecuting parties indicted for theft from a member.

When filling out this application it is important that information as to marks and brands and range of cattle be as complete as possible. Draw your brands and marks on the cuts of animals on reverse side just as they appear on the cattle. Use a separate cut for each brand and state whether the cattle are of your own raising; or if bought, give the name and address of the party from whom you bought. Brands may also be recorded in the space for remarks. If a brand is a tally on bought cattle same will doubtless be in many marks and a "V" should be put in one ear and "M" in the other—indicating various marks.

Charges incident to membership are \$6 annual dues, \$2 subscription to "The Cattleman," and an assessment of ten cents per head per year on the number of cattle rendered, which number should be 65% of the actual number owned. There is also a voluntary assessment of 1 cent per head on the number of cattle rendered for the support of the National Live Stock and Meat Board. The minimum charge for membership with brand rendered is based on a rendition of 50 head, and even though you own less than 50 head, you are eligible for membership at the minimum charge. If you are now a subscriber to "The Cattleman," same will not be charged to your membership until present subscription expires.

The strength of any representative organization is entirely dependent on the support given it and the number of persons or the composite assets it is authorized to represent. The more members the Association has, the wider can be its scope of representation, and the more effective will be its endeavors.

19

To the President and Members of the Texas & Southwestern Cattle Raisers Association:

The Petition of the subscriber represents that he is desirous of becoming a member of the Association and I CERTIFY THAT I HAVE RENDERED NOT LESS THAN 65% OF THE CATTLE I AM HANDLING. In case of acceptance I agree and bind myself to conform to the By-Laws governing the Association, and to pay all dues, assessments and other charges provided for by the Association, at Fort Worth, Texas.

Name _____ (Print Name)

Ranch is located _____

Postoffice is _____

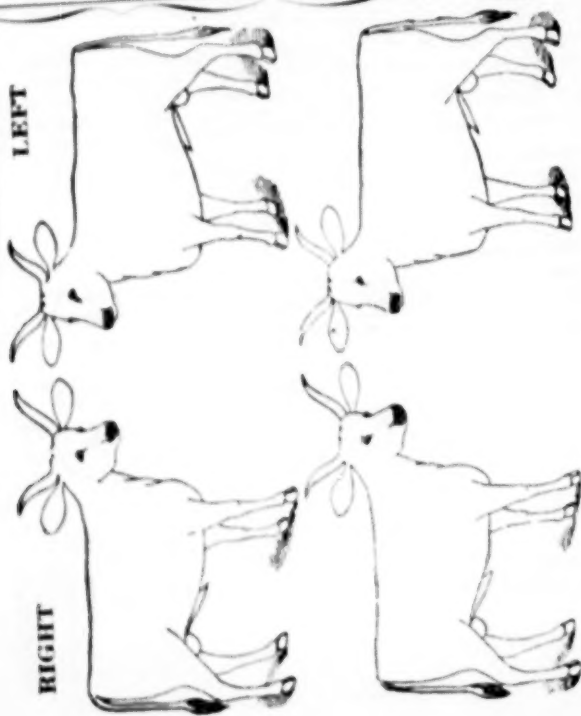
65% of the cattle controlled is _____

Recommended by _____

Signature of Applicant _____

REMARKS
(For Instructions See Other Side)

LEFT



RIGHT



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SELLERS AND BUYERS OF CATTLE, HOGS AND SHEEP

★ ★ LIVESTOCK CALENDAR ★ ★

HEREFORD SALES

Sept. 4—Tisdal & Deputy, Clinton, Okla.
Sept. 14-15—Switzer & Field Disp., Gunnison, Colo.
Sept. 16—Robberson Hereford Ranch, Gunnison, Colo.
Sept. 18-19—Trails End Ranch Disp., Denver, Colo.
Sept. 21—Hereford Heaven Assn. Feeder Sale, Ardmore, Okla.
Sept. 28—Longview Farms, Lees Summit, Mo.
Oct. 2—Thorpe Hereford Farms, Britton, S. D.
Oct. 5—Wyoming Hereford Ranch, Cheyenne, Wyo.
Oct. 6—Arkansas Hereford Assn., Little Rock, Ark.
Oct. 9—Emmagine Farms, Breckenridge, Mo.
Oct. 10—Blanchi Hereford Ranch, Macon, Mo.
Oct. 11—Windsor Place, Boonville, Mo.
Oct. 14—CK Ranch Calf Sale, Brookville, Kans.
Oct. 17—New Mexico Hereford Assn., Clovis, N. M.
Oct. 23—J. P. McNatt, Greenville, Texas.
Oct. 30—National Hereford Sale, Huron, S. D. (Night).
Oct. 31—South Texas Hereford Breeder-Feeder Assn., Beville, Texas.
Nov. 1—Hill County Hereford Assn., Mason, Texas.
Nov. 2-8—Cornhusker Futurity, Broken Bow, Nebr.
Nov. 4—Poca Dot Farms, Deerfield, Va.
Nov. 6—Van Natta Hereford, Battle Ground, Ind.
Nov. 6—Weber & Philson, Bartlesville, Okla.
Nov. 7—Hillcrest Farms, Chester, W. Va.
Nov. 7—Flint Hills Hereford Assn., Cottonwood Falls, Kans.
Nov. 8—Blue Grass Hereford Sale, Louisville, Ky.
Nov. 8-9—Northwestern New Mexico Hereford Br. Assn., Raton, N. M.
Nov. 9—P. H. White, Dyersburg, Tenn.
Nov. 10—Circle A Hereford Farm, Morris, Ill.
Nov. 11—Freeman Hereford Farm, Pulaski, Tenn.
Nov. 14—Sunflower Hereford Futurity, Hutchinson, Kans.
Nov. 15—Joan Hereford Ranch, Rhame, Texas.
Nov. 20—Barret Hereford Ranch, Comanche, Texas.
Nov. 21—Jim Hering, McGehee, Texas.
Nov. 22—Mid-North Texas Hereford Assn., Cleburne, Texas.
Nov. 24—T. R. Sorensen, Monroe, Ill.
Nov. 25—Rexie Cattle Disp., Big Spring, Texas.
Nov. 27—Lea County, New Mexico, Hereford Sale, Livingston, N. M.
Nov. 28—International Hereford Sale, Chicago, Ill. (Night).
Dec. 2—Sweetwater Area Hereford Breeders' Sale, Sweetwater, Texas.
Dec. 2—Blanco Co. Hereford Sale, Johnson City, Texas.
Dec. 4—Woody Hereford Ranch, Kansas City, Mo.
Dec. 5—Honey Creek Ranch, Grove, Okla.
Dec. 9—Hereford Heaven Assn., Ardmore, Okla.
Dec. 11—Anasay Hereford Breeders, Amarillo, Texas.
Dec. 11—Circle H Ranch, Winona, Miss.
Dec. 12—Cedar Lea Farms, Greenville, Miss.
Dec. 13—West Texas Hereford Br. Sale, Abilene, Texas.
Dec. 14—Texas-Oklahoma Hereford Breeders, Wichita Falls, Texas.
Dec. 15—Clay County Hereford Assn., Henrietta, Texas.
Jan. 6, 1951—Concho Hereford Assn., San Angelo, Texas.
Jan. 8—A. H. Karpe, Bakersfield, Calif.
Jan. 10—Honey Creek Ranch Range Bull Sale, Grove, Okla.
Jan. 12—Howard County-South Plains Hereford Br., Big Spring, Texas.

Jan. 15-16—National Western Hereford Sale, Denver, Colo.
Feb. 7—Southwest Okla. Cattlemen's Assn., Lawton, Okla.
Feb. 15—Central Okla. Hereford Br. Assn., Oklahoma City, Okla.

POLLED HEREFORD SALES

Oct. 11—Texas Polled Hereford Assn., Dallas, Texas.
Nov. 22—National Polled Hereford Sale, Kansas City, Mo.
Dec. 9—Second Annual National Western Polled Hereford Sale, Denver, Colo.
Dec. 11—C. K. Moseel, Edison, Nebr.
Feb. 19, 1951—Circle M Ranch, Senatobia, Miss.
Feb. 20—Mid-South Polled Hereford Assn., Memphis, Tenn.

ABERDEEN-ANGUS SALES

Sept. 4—C. E. Reed, Wichita, Kans.
Sept. 6—H. E. McCulloch Dispersion, San Angelo, Texas.
Sept. 14—Texas Aberdeen-Angus Sale, Tyler, Texas.
Sept. 15—R. A. Patterson, Muskogee, Okla.
Sept. 23—Sondra-Lin Stock Farms Sale, Fort Worth, Texas.
Oct. 5—National Rancher-Breeder Sale, Omaha, Nebr.
Oct. 11—Ames Plantation, Grand Junction, Tenn.
Nov. 2—National Aberdeen-Angus Sale, San Francisco, Calif.
Nov. 9—Lether T. McClung, Fort Worth, Texas.
Nov. 11—Brook-Kear-Share, Brady, Texas.
Nov. 15—Southwestern Regional Assn., Tulsa, Okla.
Nov. 14—Quality Prince Female Sale, Stillwater, Okla.
Jan. 17, 1951—National Western Aberdeen-Angus Sale, Denver, Colo.
Jan. 23—Sanboam Farms, Miami, Okla.
Jan. 23—Angus Valley Farms, Tulsa, Okla.
Jan. 24—Orchard Hill Farms, Enid, Okla.

SHORTHORN SALES

Sept. 27—National Shorthorn Sale, Memphis, Tenn.
Jan. 18, 1951—National Western Shorthorn Sale, Denver, Colo.

BRAHMAN SALES

Aug. 31—South Texas Brahman Auction, Allen, Texas.

Sept. 20—Mid-Coastal Brahman Breeders Sale, Wharton, Texas.

GENERAL

July 11-12—Oklahoma Polled Hereford Tour.
July 13-15—Third Annual Olney Rodeo, Olney, Texas.
July 15—Quarter Horse and Palomino Show, Olney, Texas.
Aug. 9-10—Top o' Texas Quarter Horse Show, Pampa, Texas.
Aug. 9-13—Southwestern Championship Junior Rodeo & Quarter Horse Show, Fort, Texas.
Aug. 11-13—National Championship High School Rodeo, Santa Rosa, N. M.
Aug. 16-15—Nebraska Hereford Tour, North Platte, Nebr.
Aug. 19—Killeen Quarter Horse Field Day & Show, Killeen, Texas.
Sept. 4-9—Cleburne District Fair, Cleburne, Texas.
Sept. 10—Fort Worth Horse Show Club Horse Show, Fort Worth, Texas.
Sept. 11-14—Texas Aberdeen-Angus Show, Tyler, Texas.
Sept. 18-23—Tri-State Fair, Amarillo, Texas.
Sept. 23-Oct. 1—New Mexico State Fair, Albuquerque, N. M.
Sept. 25-30—West Texas Fair, Abilene, Texas.
Sept. 29-Oct. 8—Ak-Sar-Ben, Omaha, Nebr.
Oct. 2-7—Texas-Oklahoma Fair, Iowa Park, Texas.
Oct. 2-6—National Rancher-Breeder Show, Omaha, Nebr.
Oct. 4-7—Eastern New Mexico State Fair, Russell, N. M.
Oct. 6-8—Tri-State Fair, Denning, N. M.
Oct. 7—Annual Range Improvement Field Day, U. S. Southern Great Plains Field Station, Woodward, Okla.
Oct. 7-22—State Fair of Texas, Dallas, Texas.
Oct. 14-21—American Royal Livestock Show, Kansas City, Mo.
Oct. 16-19—Southwestern Cattle Festival, Clovis, N. M.
Oct. 26-27—Chicago Fender Cattle Show, Chicago, Ill.
Oct. 27-Nov. 5—Grand National Livestock Exposition, Cow Palace, San Francisco, Calif.
Oct. 28-31—National Hereford Show, Huron, S. D.
Nov. 1-4—U. S. Livestock Sanitary Assn. Convention, Phoenix, Ariz.
Nov. 7-12—South Texas Fair & Exposition, Kingville, Texas.
Nov. 8-9—Blue Grass Hereford Show, Louisville, Ky.
Nov. 11-15—Ogden Livestock Show, Ogden, Utah.
Nov. 13—All Kansas Hereford Show, Hutchinson, Kans.
Nov. 20-21—National Polled Hereford Show, Kansas City, Mo.
Nov. 23-Dec. 2—International Livestock Exposition, Chicago, Ill.
Dec. 5-6—Fifth Annual Bourbon Beef Show, Louisville, Ky.
Dec. 7-9—National Western Polled Hereford Assn. Show, Denver, Colo.
Jan. 12-25, 1951—National Western Stock Show, Denver, Colo.
Jan. 13—National Western Feeder Cattle Sale, Denver, Colo.
Jan. 26-Feb. 4—Southwestern Exposition and Fat Stock Show, Fort Worth, Texas.
Jan. 31-Feb. 11—Houston Fat Stock Show, Houston, Texas.
March 1-4—San Angelo Fat Stock Show, San Angelo, Texas.

The Cattleman

Established 1914
Owned by Cattlemen
Published by Cattlemen
Read by Cattlemen

1109 BURK BURNETT BLDG

The Advertiser's Logical Gateway
to the Commercial and Purebred Cattle Owners of the
Southwestern States

FORT WORTH, TEXAS

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THOROUGHBRED stallion for sale, 4 years old. Bob Mann by Staghead out of a Building mare. Golden Shoe Farm, Fort Lauderdale, Florida.

FOR SALE—Registered Arabian stallion, chestnut, black, light mane and tail. Proven sire, gentle, a beautiful individual. All his get out of Palomino color mares are Palominos with Arabian characteristics. For information, see or write Jack Siro, V & W Ranch, Rt. 3, Benton, Ark.

NOTICE I have a mare I will run against any living horse, one quarter of a mile for one thousand dollars. If we can agree on the weight and the start. At my ranch fifty miles north of Midland, South Dakota. Don Sargent, Ripley, South Dakota.

"HOW TO BREAK AND TRAIN HORSES"
A book every farmer and horseman should have. It is free, no obligation. Simply address:
BERRY SCHOOL OF HORSEMANSHIP
Dept. 1037, Pleasant Hill, Ohio.

FOR SALE—Registered 8-year-old Palomino stud, in excellent condition; also registered AQHA. Price \$2,500. Carl M. Ogler, M. D. 3613 Olympia Drive, Houston, Tex. PH 21-1244.

I BREAK horses—Buy—Sell—Trade. Luther Cameron, Hempstead, Texas.

FOR SALE—Registered Arabians with the finest blood lines. Have Stallions, Mares and Colts. Dr. Lane Harbour, Bay City, Texas.

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Elmer's Registered "Ranger" Polled Herefords, 413 Maverick Bldg., San Antonio, Texas.

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We manage ranches for business and professional men, investment buyers, ranch estates and corporations. Rejuvenating experts and consultants. Western Ranching Service, E. B. "Dick" Cook, Manager, DeSoto Building, Dallas, Texas.

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Interested in Angora Goats? Read the Sheep and Goat Raiser, Hotel Cactus, San Antonio, Texas. The only ranch magazine published serving the Angora Goat industry. Subscription \$1.50—Sample copy, 15 cents.

DAIRY CATTLE

CHOICE dairy calves \$25, older dairy heifers, Braunhead, 1190 Shawnee City Co., Dallas, Tex.

HOLSTEINS—One of America's largest selections of choice springing and fresh cows and heifers. T. B. and Range Trained. Stanley Burdick & Son, Elgin, Illinois. Phone 2000. (Free hotel accommodations for prospective buyers.) Established in 1918.

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NEXT Term starts July 17. The only Auction School conducted at an Accredited College. Our graduates are our best recommendation. G. I. Approved. Write Box 1455 H. Western College of Auctioneering, Billings, Montana.

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FORT SMITH Auction School, Fort Smith, Ark. Term soon. Veterans approved. Course includes radio announcing.

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Registered red Brahman bulls; registered gray Brahman bulls; one's to four's—Dr. T. M. Neal, Wharton, Texas.

ERU-BRAHMAN young bulls for sale, better calves when available, registered and unregistered. Good quality. One of country's oldest herds. Brahman of quality, bred in quantity to sell at reasonable prices. Brahmans Cattle Company, Yukon, Texas.

RANCHES—FARM LANDS

FOR LEASE—1624-acre improved ranch, 8 1/2 miles north of northhouse, San Antonio. Genah Walker, Route 16, Box 12. Phone nights.

WILLI buy four lands, producing, non-producing income, royalties, anywhere, from owners, brokers, attorneys. Be sure give price, description. Also make loans. American Oil Co., P. O. Box 35-CM, Houston.

4500-acre cattle ranch, eight miles from trading point, free bus to grade and high school; modern five-room house, full basement, good barn and shed and corral; water from six shallow wells; carry 100 mother cows year around. Price \$12.00 per acre, some terms.

1321-acre stock ranch, 225 acres in cultivation, 90% wheat land, two very good sets of improvements, one modern home; located on state highway, REA, free bus to grade and high school; water from shallow wells and spring; blue grass lawn and shade trees. Price \$12.50 per acre. Loan now on the ranch for \$15,000 due in eight annual payments of \$1.95.

J. F. HUGGINS, HUGO, COLORADO

LIQUIDATION SALE

In order to liquidate the holdings of a large Colorado live stock corporation, we are offering for sale in one unit 12,000 acres or in six separate operating units.

This ranch is located in south central Colorado in the County of Bernalillo. Hay production around 7,000 tons. Plenty of good grass, irrigation water, improvements and excellent Taylor, forest and individual permits for 2,000 cattle and 9,000 sheep. Here is a great opportunity to buy one of more of these fine year-around ranches in a good climate and livestock country. Write for maps, photos and details.

ACKARD LAND CO.

634 10th St., Denver, Colo.

The Pioneer Ranch Dealers.
New summer and fall catalog describing over 50 bargains mailed upon request.

COLORADO RANCH

4800 acres deeded. Well situated on paved road 22 miles west of Pueblo. 2 modern houses, telephone, electricity. School bus at door. Close to small town. Property has an old water right, springs and creeks, 200 acres irrigated. Also 1000 acres leased land. Plenty of shelter. Will run 500 head of cattle year around. Price \$65,000—third down.

ROBINSON REALTY

829 N. Main St., Pueblo, Colo. Phone 1109

WYOMING—20,000 Deeded grazing acre @ \$2.50 per acre, including transfer \$5,000 acres leased Federal and State lands.

ARIZONA—1730 Sections; 25,000 deeded, balance Federal & State leased lands. PRICE \$500,000. Write Box 1-4. The Cattleman.

MISCELLANEOUS

JIBO Jerkwater Hounds for practice or play. Guaranteed. Only \$12.50 postpaid. Order direct. Jib, 507 Biting Bldg., Wichita, Kan.

RANCH MANAGER available immediately; any location; 25 married, older, reliable; exceptional experience large ranches; A&M graduate veterinarian. Top references. P. O. Box 955, Houston.

HERDSMAN-MANAGER. Available July 1948. Lifetime experience, feeding, fitting and showing registered Herefords and handling commercial cattle. Married. Age 33. References: J. C., c/o The Cattleman.

WANTED—Ranch foreman, experienced cattle tender. Must have references. Permanent job. Phone 807-J after 6 P. M. Clyde McCung, P. O. Box 232, Cleburne, Texas.

Parts for all stoves, ranges, heaters, furnaces back to 1896. Fit guaranteed. Write for prices. Give make, model and part number. Bessie Co. Dept. W. 1207 Howard, Omaha, Neb.

SEND raw wool (or mohair) direct to factory for fine blankets, fringed robes, etc. Free literature. West Texas Woolen Mills, 415 Main, Eldorado, Texas.

BRIGHT stored prairie hay, Little Blum Stem, largest growers, shippers South Texas. Satisfaction guaranteed. J. W. McKamey, Fort Lavaca, Texas.

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1,400 acres in seed production. For information or quotations write

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Registered Hereford cattle. Young bulls 12 to 18 months. Mrs. Pearl C. Littlejohn, Benbrook, Texas.

RANCHES—FARM LANDS

RANCHES

Constant combing of the Southwest for purchasable properties has resulted in an impressive number of satisfied clients, and the cream of the listings available. Below are only a few samples of the properties offered.

100 COW UNIT NEW MEXICO RANCH

\$2,501 deeded acres, divided into 7 well-fenced pastures and 8 traps with 3 sets of corrals and good, modern ranch-constructed house, located in San Miguel County, New Mexico, close to Highway 64, approximately midway between Santa Rosa and Las Vegas. Abundant grazing and one of the best watered ranches in the State. Price: \$12.00 per acre.

BEAUTIFUL IRRIGATED FARM AND RANCH

An unusual place for one interested in a charming place to live with good returns on their investment. 266 acres, 440 irrigated, balance in pasture, having a remodeled and modernized Southern Colonial 14 room home. Located adjacent to national highway and railroad at one of the most productive and attractive spots in the Southwest. Part of irrigated lands now farmed, balance veg. Ideal permanent pasture project.

20,000 DEEDED ACRES

This ranch, divided into 8 excellently fenced and turfed pastures of Grama grass and Blue-stem, with 11 wells and several good storage tanks, immediately adjacent to national highway and railroad, in New Mexico's choicest country, is one of the best tracts in the State. Price: \$21.00 per acre, 20% down, balance at 4% interest.

12,000 DEEDED ACRES

An excellent property adjacent to Wagon Mound, New Mexico. Price: \$17.50 per acre.

1,626 ACRE IRRIGATED FARM

This 1,626 acre farm, 1,100 acres now irrigated, 250 more acres available, balance in Grama grass land, is in the famous Estancia Valley, 37 miles east of Albuquerque, 30 miles from Santa Fe, on Highway 66, and a few miles from Santa Fe Railroad. Watered by 1 well supplying approximately 9,000 gallons per minute. The profitable present and future of this property is unusually secured by its location, fertile soil and abundant water.

It is to your interest to contact us before buying, our record of satisfied clients proves this.

Willis Stewart Realty Company

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MONTANA RANCHES

PRICE: Choice cattle and sheep ranches can be bought for from \$5.00 to \$5.00 per acre.

TURF: The strong Montana grass and well watered ranges combine to produce extra size and weight.

MEADOWS: Most ranches listed with the contain adequate hay meadows. Alfalfa and the various grains, as well as hay producing grass, are successfully grown. Montana alfalfa seed are nationally known. It is not uncommon to annually make \$100.00 per acre on the sale of these seed.

MARKETS: Excellent markets are located throughout the state. Large quantities of livestock are annually purchased by buyers and feeders from the Corn Belt.

MINERALS: Oil and Gas have been produced throughout much of the Montana area. On most of my listings the minerals, or part of them, go with the sale.

RECREATION: Don't overlook the recreational side. Montana is a sportsman's Paradise. Phenix, grouse, Hungarian partridge, deer, chickens, deer, antelope and big game are plentiful. The streams abound with rainbow, brown, trout, brook, and the other species of Mountain trout.

If interested, contact

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FOR SALE—Modern summer home. Choicest location on beautifully timbered Southwestern Colorado mountain lake. Excellent fishing, hunting. Write for illustrated description. Kenneth Smith, Route 1, Bayfield, Colorado.

The brand is the cattleman's mark of arms. Is yours recorded?

RANCHES—FARM LANDS

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CATTLE RANCHES—FARMS

Send us your requirements.

LOYAL C. STAHL, JR.

618 Title & Tr. Bldg. Phoenix, Arizona

MONTANA CATTLE RANCH

All-year range. Carry 1500 cows. Everything complete. Bring your family and clothing and move in. 20 miles from Miles City. 2 mand. from shipping. Elev. 2400 ft. 18-20 inches rainfall. River and creek for water. 500 acres farm and hayland. All equip. & hay stacks. 15,000 acres deeded. 40,000 leased from Fed. Gov. All fenced. 6-room mod. house. Bank house. 2 camps. Approx. 650 head 5-yr.-old cows with calf crop. 25 bulls. Plenty of horses and other equip. All complete for 25,000. Owner will make terms. This is a cowman's ranch with fence.

JAMES C. GRANT

25 East Broadway, Tucson, Arizona.

WYOMING RANCH

CLOSE TO LARAMIE

25,750 acres deeded and 17,000 acres state and Taylor lease. Combination sheep and cattle ranch situated in rolling foothills, abundance of water from streams and springs. Cattle about 500 tons hay. Sheep pens, shearing pens, corrals, hay barn, several sets buildings. Price \$7 per acre.

Other ranches for sale.

HARRY W. KING

726 Cooper Bldg. AC. 2907, TA. 6009

ATTENTION—Well-balanced 25,000-acre Nebraska cattle ranch, carry 3500 cattle, wet sub-irrigated meadow, best grass. Livestock and equipment \$12.50 per acre. Write Box 7-T, The Cattleman.

FOR SALE—200 acres, 120 acres irrigated pasture, 25 acres in grain, balance in hay land. 2 sets improvements, grade "A" dairy barn, good water right, water piped into barns, electricity, telephone, home orchard, all fenced and cross-fenced. Price \$23,000.00 terms.

A. A. BALL REALTY COMPANY

1610 Main, Durango, Colorado. Phone 233.

MISSISSIPPI RANCHES, NO TAXES on stock or machinery. Homestead exemption on land. Rolling time prairie land. 5 inches rainfall each month. Strong grass. Cow and calf and better to 3 acres. Cheap TVA electricity. Good cheap labor. Good roads. Good markets. Good schools and churches and last but most important—good people of the old South that love to play when they don't have to work. Join the throng of westerners who are coming to the best stock country in the world! 500 or 1,000 acres at the cheapest per unit east in America! Be sure to make an appointment before you leave home. Dr. W. L. Douglas, Rancher and Realtor. Telephone 954. Box 71, Columbus, Mississippi.

ESTATE SALE OF FAMOUS VAN TASSELL RANCHES

The following parcels of real estate owned by the Estate of Maude B. Van Tassel are offered by the Executors of the Estate.

PARCEL NO. 1

HOME RANCH AT ISLEY, LARAMIE COUNTY, WYOMING

Comprising approximately 14,245 acres of deeded land and 1600 acres of state lease. Located about 50 miles northwest of Cheyenne, Wyoming, on Pole Creek. The property is well improved, fenced and cross-fenced. Exceptionally well watered by two live streams and 15 artesian wells. Excellent range grass, good water rights, and cuts ample hay. Isley stockyards adjacent to ranch. Proven Horse Creek oil field across fence from eastern boundary of property.

PARCEL NO. 2

NORTH CROW RANCH, LARAMIE COUNTY, WYOMING

Comprising approximately 4720 acres of deeded land and 820 acres of state lease. Located 3 miles southwest of Home Ranch on North Crow Creek. Fair improvements, well-fenced, good grass, living water and irrigated hay meadows.

PARCEL NO. 3

SUMMIT RANCH, LARAMIE AND ALBANY COUNTIES, WYOMING

Comprising approximately 2600 acres deeded. Located 3 miles southwest of Parcel No. 2 or about 25 miles northwest of Cheyenne, Wyoming, on Happy Jack Road. Small improvements, well fenced, and well watered by live creeks, springs.

PARCEL NO. 4

RUNNING WATER RANCH, NIOBRARA COUNTY, WYOMING

Comprising approximately 10,300 acres of deeded land and 6000 acres of state lease. Located 50 miles east of Lusk, Wyoming, on U. S. Highway No. 20 and the Chicago-Northwestern Railroad. Running Water and Van Tassel Creeks flow through the property for several miles supplying stock water and sub-irrigated creek bottom hay meadows which furnish ample hay. Van Tassel stockyards adjacent to ranch. Fair ranch buildings, good fences, plenty of stock water and grass.

Ownership of these famous ranches by R. B. Van Tassel began in 1890. His successful operation of them during his long life proved that his judgment was well founded when he assembled these choicely located ranches in those early days when the pioneer settlers had their choice of the country.

Bids will be accepted up to August 1, 1930.

Illustrated pamphlet and terms of sale may be secured from:

Stock Growers National Bank

1701 Capitol Avenue
Cheyenne, Wyoming
Executor of the Estate of
Maude B. Van Tassel

OR

Rufus B. Klein

624 17th Street
Denver, Colorado

RANCHES—FARM LANDS

Ranch, 6555 acres. Abundant water and grass. Well fenced and improved. 16 miles school and College. Valuable pine and hardwood. Not leased oil and gas. J. Akers, owner, Wilburton, Okla.

FOR SALE: 2500-acre Northeast Mississippi lime belt livestock farm for sale. Well fenced, ample buildings, six overflowing wells. Will easily carry 1,000 head of cattle. Walter A. Swenson, Columbus, Miss.

TOP SHEEP OUTFIT

No Ranch—All Year Pasture Proposition.

Capacity 7,000 head sheep

1,400 head cattle year around.

Over 8,500 acres deeded summer pasture.

Elevation about 8,000 feet.

2,560 acres deeded winter pasture, permit adjoins.

Good improvements.

For information contact

MOUNTAIN REALTY CO.

302 Main St.

Grand Junction, Colorado.

TERRIFIC LAND BARGAINS

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